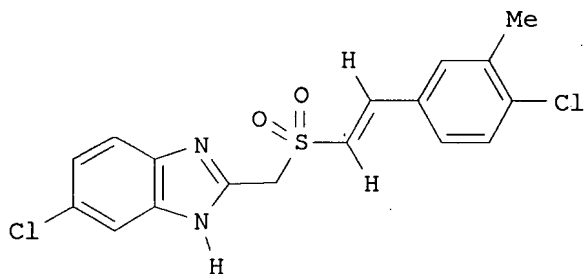


REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 26 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:804505 CAPLUS
 DOCUMENT NUMBER: 140:59567
 TITLE: New styryl sulfones as anticancer agents
 AUTHOR(S): Vedula, Manohar Sharma; Pulipaka, Aravind Babu; Venna, Chandrasekhar; Chintakunta, Vamsee Krishna; Jinnapally, Sreenu; Kattuboina, Venkata Adishesu; Vallakati, Ravi Krishna; Basetti, Vishnu; Akella, Venkateswarlu; Rajgopal, Sriram; Reka, Ajaya Kumar; Teepireddy, Sravan Kumar; Mamnoor, Prem Kumar; Rajagopalan, Ramanujam; Bulusu, Gopalakrishnan; Khandelwal, Akash; Upreti, Vijay V.; Mamidi, Srinivas Rao
 CORPORATE SOURCE: Discovery Research, Discovery Chemistry, Dr. Reddy's Laboratories, Hyderabad, 500 050, India
 SOURCE: European Journal of Medicinal Chemistry (2003), 38(9), 811-824
 CODEN: EJMCA5; ISSN: 0223-5234
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal

LANGUAGE: English
 OTHER SOURCE(S): CASREACT 140:59567
 GI



AB Styryl sulfone compds. have been synthesized and evaluated for their anti-proliferative activity. Among the compds. synthesized, I has shown 51% tumor growth inhibition in mice implanted with HT-29 human carcinoma at 400 mg kg⁻¹ orally.

IT 639494-91-0P 639494-94-3P 639494-97-6P
 639495-00-4P 639495-03-7P 639495-06-0P
 639495-09-3P 639495-12-8P 639495-15-1P
 639495-19-5P

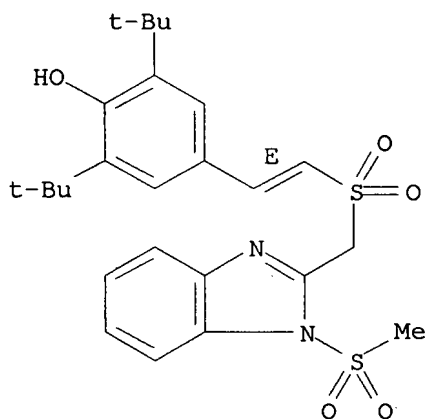
RL: PAC (Pharmacological activity); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)

(stereoselective preparation, CoMSIA-predicted and actual tumor growth inhibition, and structure-activity relationship of styryl sulfones via mesylation of phenylhydroxyethyl sulfones followed by elimination and hydrolysis)

RN 639494-91-0 CAPLUS

CN 1H-Benzimidazole, 2-[[[(1E)-2-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]ethenyl]sulfonyl]methyl]-1-(methylsulfonyl)- (9CI) (CA INDEX NAME)

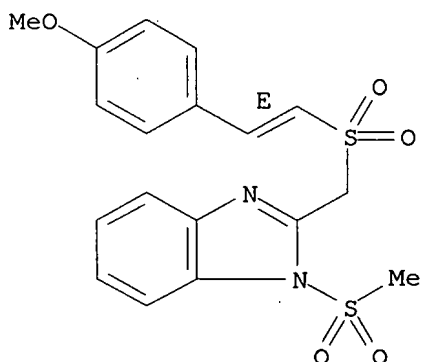
Double bond geometry as shown.



RN 639494-94-3 CAPLUS

CN 1H-Benzimidazole, 2-[[[(1E)-2-(4-methoxyphenyl)ethenyl]sulfonyl]methyl]-1-(methylsulfonyl)- (9CI) (CA INDEX NAME)

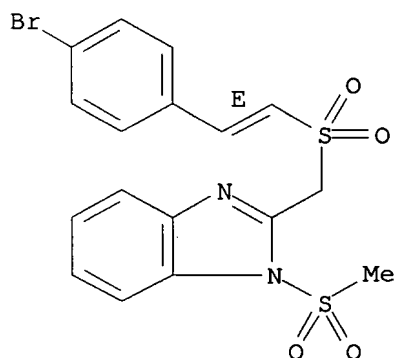
Double bond geometry as shown.



RN 639494-97-6 CAPLUS

CN 1H-Benzimidazole, 2-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-1-(methylsulfonyl)- (9CI) (CA INDEX NAME)

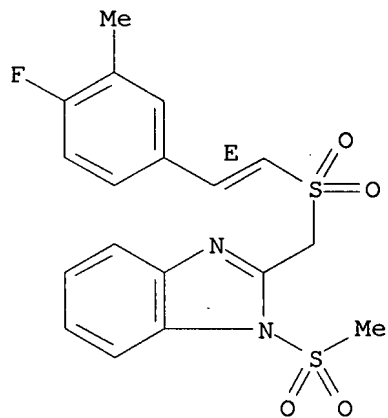
Double bond geometry as shown.



RN 639495-00-4 CAPLUS

CN 1H-Benzimidazole, 2-[[[(1E)-2-(4-fluoro-3-methylphenyl)ethenyl]sulfonyl]methyl]-1-(methylsulfonyl)- (9CI) (CA INDEX NAME)

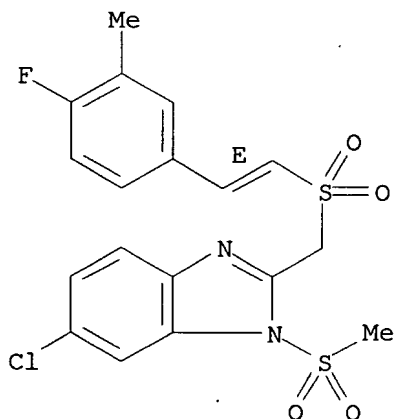
Double bond geometry as shown.



RN 639495-03-7 CAPLUS

CN 1H-Benzimidazole, 6-chloro-2-[[[(1E)-2-(4-fluoro-3-methylphenyl)ethenyl]sulfonyl]methyl]-1-(methylsulfonyl)- (9CI) (CA INDEX NAME)

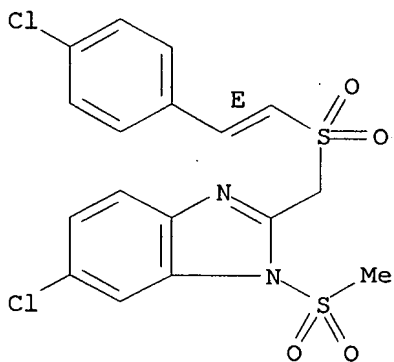
Double bond geometry as shown.



RN 639495-06-0 CAPLUS

CN 1H-Benzimidazole, 6-chloro-2-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-1-(methylsulfonyl)- (9CI) (CA INDEX NAME)

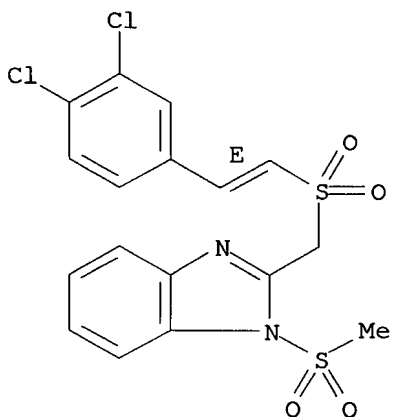
Double bond geometry as shown.



RN 639495-09-3 CAPLUS

CN 1H-Benzimidazole, 2-[[[(1E)-2-(3,4-dichlorophenyl)ethenyl]sulfonyl]methyl]-1-(methylsulfonyl)- (9CI) (CA INDEX NAME)

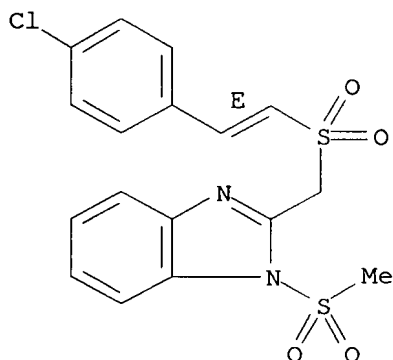
Double bond geometry as shown.



RN 639495-12-8 CAPLUS

CN 1H-Benzimidazole, 2-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-1-(methylsulfonyl)- (9CI) (CA INDEX NAME)

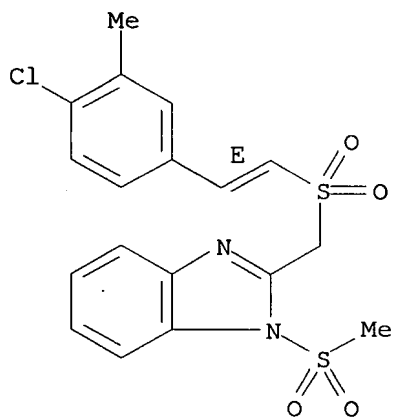
Double bond geometry as shown.



RN 639495-15-1 CAPLUS

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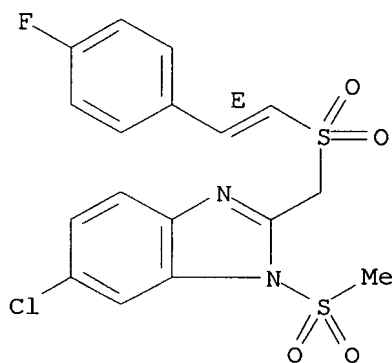
Double bond geometry as shown.



RN 639495-19-5 CAPLUS

CN 1H-Benzimidazole, 6-chloro-2-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-1-(methylsulfonyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



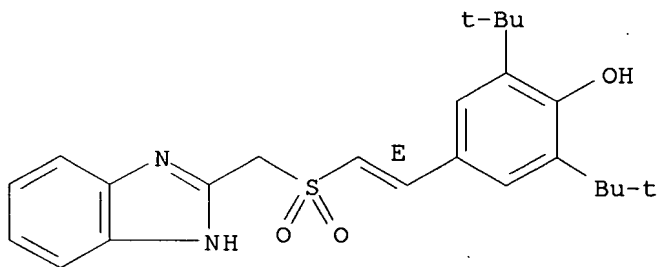
IT 639495-26-4P 639495-30-0P 639495-34-4P
 639495-38-8P 639495-42-4P 639495-46-8P
 639495-50-4P 639495-54-8P 639495-57-1P
 639495-60-6P

RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (stereoselective preparation, CoMSIA-predicted and actual tumor growth inhibition, and structure-activity relationship of styryl sulfones via mesylation of phenylhydroxyethyl sulfones followed by elimination and hydrolysis)

RN 639495-26-4 CAPLUS

CN Phenol, 4-[(1E)-2-[(1H-benzimidazol-2-ylmethyl)sulfonyl]ethenyl]-2,6-bis(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)

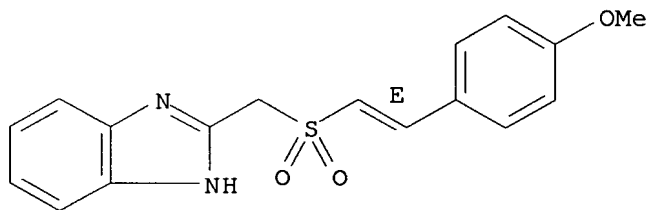
Double bond geometry as shown.



RN 639495-30-0 CAPLUS

CN 1H-Benzimidazole, 2-[[[(1E)-2-(4-methoxyphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

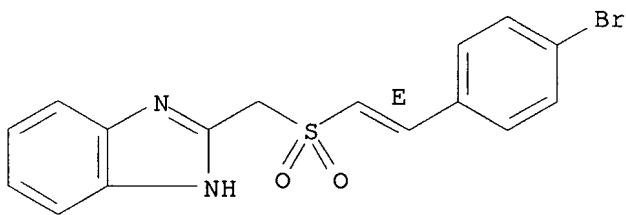
Double bond geometry as shown.



RN 639495-34-4 CAPLUS

CN 1H-Benzimidazole, 2-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

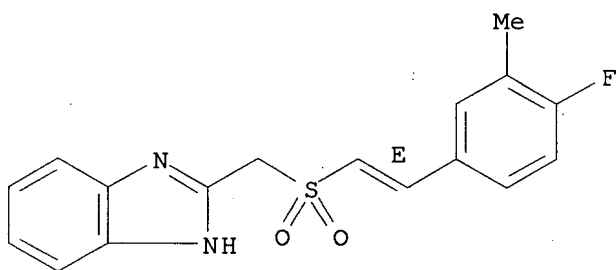
Double bond geometry as shown.



RN 639495-38-8 CAPLUS

CN 1H-Benzimidazole, 2-[[[(1E)-2-(4-fluoro-3-methylphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

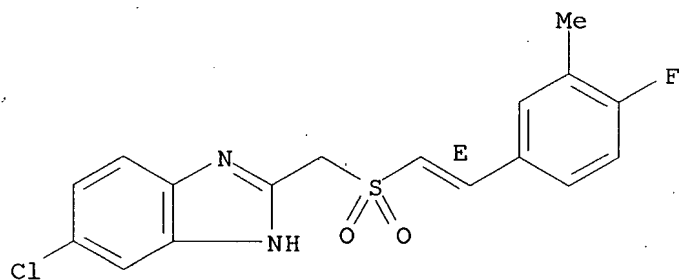
Double bond geometry as shown.



RN 639495-42-4 CAPLUS

CN 1H-Benzimidazole, 5-chloro-2-[[[(1E)-2-(4-fluoro-3-methylphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

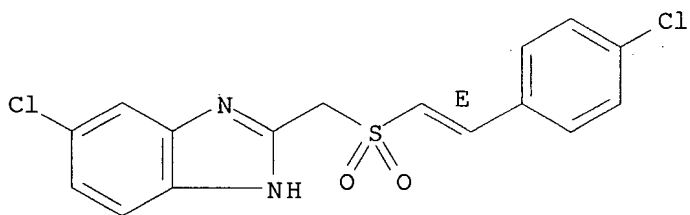
Double bond geometry as shown.



RN 639495-46-8 CAPLUS

CN 1H-Benzimidazole, 5-chloro-2-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

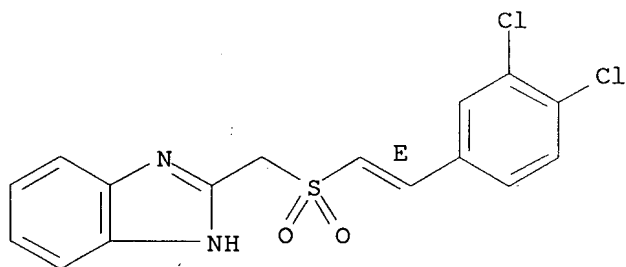
Double bond geometry as shown.



RN 639495-50-4 CAPLUS

CN 1H-Benzimidazole, 2-[[[(1E)-2-(3,4-dichlorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

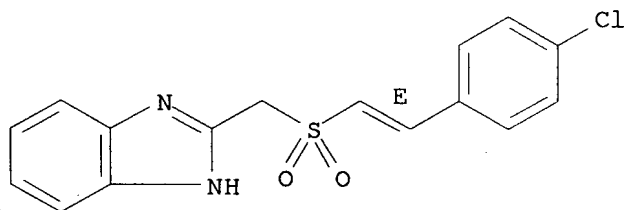
Double bond geometry as shown.



RN 639495-54-8 CAPLUS

CN 1H-Benzimidazole, 2-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

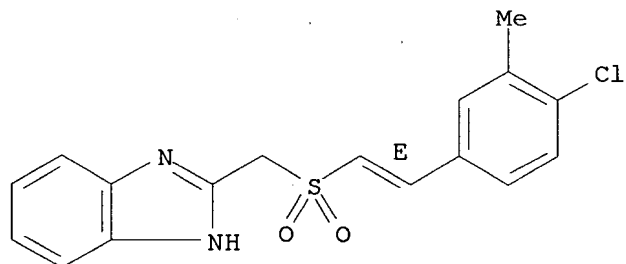
Double bond geometry as shown.



RN 639495-57-1 CAPLUS

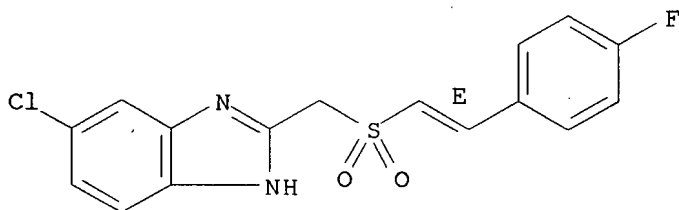
CN 1H-Benzimidazole, 2-[[[(1E)-2-(4-chloro-3-methylphenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 639495-60-6 CAPLUS
CN 1H-Benzimidazole, 5-chloro-2-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

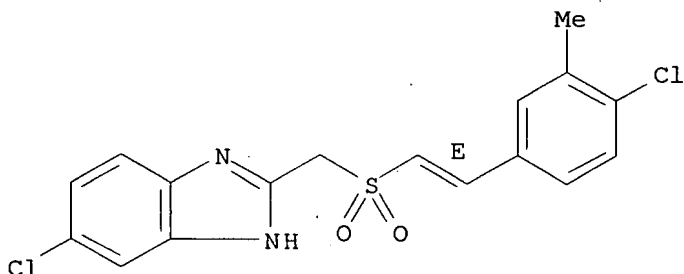
Double bond geometry as shown.



IT 639495-63-9P
RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(stereoselective preparation, CoMSIA-predicted and actual tumor growth inhibition, structure-activity relationship, and pharmacokinetics of styryl sulfones via mesylation of phenylhydroxyethyl sulfones followed by elimination and hydrolysis)

RN 639495-63-9 CAPLUS
CN 1H-Benzimidazole, 5-chloro-2-[[[(1E)-2-(4-chloro-3-methylphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

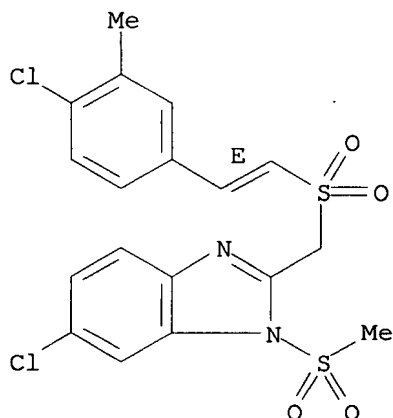
Double bond geometry as shown.



IT 639495-22-0P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(stereoselective preparation, anticancer activity, and structure-activity relationship of styryl sulfones via mesylation of phenylhydroxyethyl sulfones followed by elimination and hydrolysis)

RN 639495-22-0 CAPLUS
CN 1H-Benzimidazole, 6-chloro-2-[[[(1E)-2-(4-chloro-3-methylphenyl)ethenyl]sulfonyl]methyl]-1-(methylsulfonyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 27 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:696704 CAPLUS

DOCUMENT NUMBER: 139:230469

TITLE: Preparation of amino-substituted (E)-2,6-dialkoxystyryl 4-substituted benzyl sulfones for treating proliferative disorders

INVENTOR(S): Reddy, Premkumar E.; Reddy, Ramana M. V.; Bell, Stanley C.

PATENT ASSIGNEE(S): Temple University-of the Commonwealth System of Higher Education, USA; Onconova Therapeutics, Inc.

SOURCE: PCT Int. Appl., 189 pp.

CODEN: PIXXD2

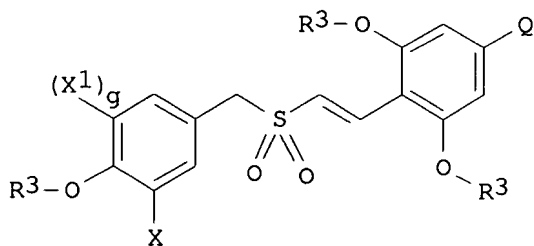
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003072062	A2	20030904	WO 2003-US6357	20030228
WO 2003072062	A3	20031204		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2477232	A1	20030904	CA 2003-2477232	20030228
AU 2003213660	A1	20030909	AU 2003-213660	20030228
EP 1487428	A2	20041222	EP 2003-711347	20030228
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
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JP 2005531503	T	20051020	JP 2003-570809	20030228
IN 2004DN02651	A	20050401	IN 2004-DN2651	20040909
PRIORITY APPLN. INFO.:			US 2002-360697P	P 20020228
			WO 2003-US6357	W 20030228
OTHER SOURCE(S): MARPAT 139:230469				



I

- AB Amino-substituted (E)-2,6-dialkoxystyryl 4-substituted benzyl sulfones (shown as I; variables defined below; e.g. (E)-2,4,6-trimethoxystyryl 3-(carboxymethylamino)-4-methoxybenzyl sulfone), useful as antiproliferative agents, including, for example, anticancer agents, are provided. The authors believe that I affect the mitogen activated protein kinase (MAPK) signal transduction pathway, thereby affecting tumor cell growth and viability. This cell growth inhibition is associated with regulation of the extracellular-signal-regulated kinase (ERK) and c-Jun NH2-terminated kinase (JNK) types of MAPK; I may block the phosphorylating capacity of ERK-2. Tumor cells treated with I are believed to accumulate in the G2/M phase of the cell cycle; as the cells exit the G2/M phase, they appear to undergo apoptosis. Compds. I can readily be covalently bonded to antibodies, preferably tumor-specific monoclonal antibodies (Mab) via a suitable bifunctional linker (-L-) to yield a conjugate I-L-Ab. The effect ($IC_{50} < 10 \mu M$) of .apprx.50 examples of I on prostate carcinoma cell line DU-145, breast adenocarcinoma cell line BT-20, colorectal carcinoma cell line DLD-1 and non-small cell lung carcinoma cell line H157 are tabulated. Fifty-one example preps. of I are included. For I: X = N(R2)(MyR1), N:CR1R5; X1 = N(R2)(MyR1), N:CR1R5, NO2 (X1 is optionally protected with ≥ 1 chemical protecting groups); g is 0 or 1; each M is a bivalent connecting group = -(C1-C6)alkylene-, -(CH2)a-V-(CH2)b-, -(CH2)d-W-(CH2)e- and -Z-; each y = 0 and 1; each V = arylene, heteroarylene, -C(O)-, -C(S)-, -S(O)-, -SO2-, -C(O)O-; -C(O)(C1-C6)perfluoroalkylene-, -C(O)NR4-, -C(S)-NR4- and -SO2NR4-; each W = -NR4-, -O- and -S-; a = 0-3; b = 0-3; d = 1-3; e = 0-3. -Z- = -C(O)RaR4N(R4)- wherein the absolute stereochem. of -Z- is D or L or a mixture of D and L; Ra = -H, -(C1-C6) alkyl, -(CH2)3-NH-C(NH2)(:NH), etc.; R1 = -H, (un)substituted aryl, (un)substituted heterocyclic, -CO2R5, etc.; R2 = -H, -(C1-C6)alkyl, and aryl(C1-C3)alkyl; R3 = -(C1-C6)alkyl; R4 = -H, and-(C1-C6)alkyl; R5 = -H, -(C1-C6)alkyl and -(C1-C6)acyl; R6 = -H, -(C1-C6)alkyl, -CO2R5, -C(O)R7, -OR5, -OC(O)(CH2)2CO2R5, -SR4, guanidino, -NR42, -NR43+, -N+(CH2CH2OR5)3, (un)substituted Ph, (un)substituted heterocyclic and halogen; R7 = -Ra, halogen, -NR42, and heterocycles containing two N atoms. Q = -H, -(C1-C6)alkoxy, halogen, -(C1-C6)alkyl and -NR42; wherein the substituents for the substituted aryl and substituted heterocyclic groups comprising or included within = halogen, (C1-C6)alkyl, -NO2, -CN, -CO2R5, -C(O)O(C1-C3)alkyl, -OR5, -(C2-C6)-OH, phosphonato, -NR42, -NHC(O)(C1-C6)alkyl, sulfamyl, -OC(O)(C1-C3)alkyl, -O(C2-C6)-N-[(C1-C6)alkyl]2 and -CF3; addnl. details including provisos are given in the claims.
- IT 592542-50-2P, (E)-2,4,6-Trimethoxystyryl 3-Amino-4-Methoxybenzyl Sulfone 592542-52-4P, (E)-2,4,6-Trimethoxystyryl 4-Methoxy-3-Nitrobenzyl sulfone 592542-62-6P, (E)-2,4,6-Trimethoxystyryl 3-(3,5-dinitrobenzamido)-4-methoxybenzyl sulfone 592542-64-8P, (E)-2,4,6-Trimethoxystyryl 3-(2-chloroacetamido)-4-methoxybenzyl sulfone 592542-67-1P, (E)-2,4,6-Trimethoxystyryl 3-(4-nitrobenzamido)-4-methoxybenzyl sulfone 592542-79-5P, (E)-2,4,6-Trimethoxystyryl 3-(2,4-

dinitrobenzenesulfamyl)-4-methoxybenzyl sulfone 592542-84-2P,
 (E)-2,4,6-Trimethoxystyryl 3-(hydroxyacetamido)-4-methoxybenzyl sulfone
 592542-85-3P, (E)-2,4,6-Trimethoxystyryl 3-(acetoxyacetamido)-4-
 methoxybenzyl sulfone 592542-88-6P, (E)-2,4,6-Trimethoxystyryl
 3-(2-acetoxypropionamido)-4-methoxybenzyl sulfone 592543-14-1P,
 (E)-2,4,6-Trimethoxystyryl 3-[(2,2-difluoro-3-methoxy-3-
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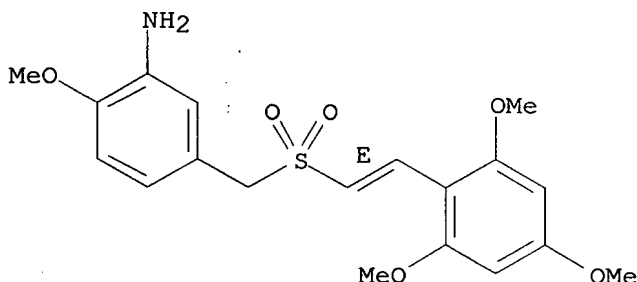
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic
 preparation); THU (Therapeutic use); BIOL (Biological study); PREP
 (Preparation); RACT (Reactant or reagent); USES (Uses)

(drug candidate; preparation of amino-substituted (E)-2,6-dialkoxystyryl
 4-substituted benzyl sulfones for treating proliferative disorders)

RN 592542-50-2 CAPLUS

CN Benzenamine, 2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl
 methyl]- (9CI) (CA INDEX NAME)

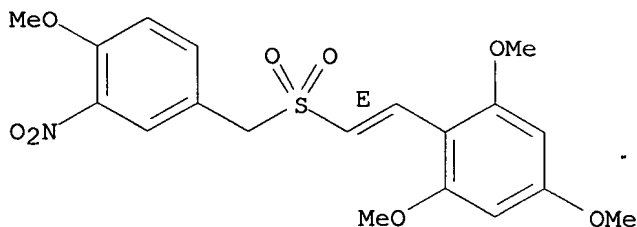
Double bond geometry as shown.



RN 592542-52-4 CAPLUS

CN Benzene, 1,3,5-trimethoxy-2-[(1E)-2-[[[4-methoxy-3-
 nitrophenyl]methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

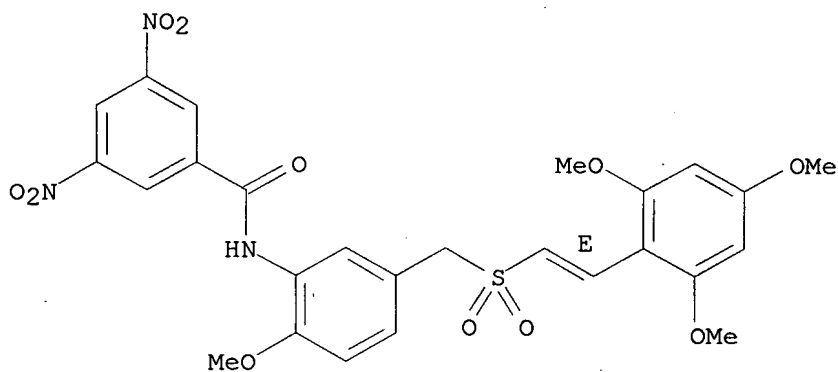
Double bond geometry as shown.



RN 592542-62-6 CAPLUS

CN Benzamide, N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl
 methyl]phenyl]-3,5-dinitro- (9CI) (CA INDEX NAME)

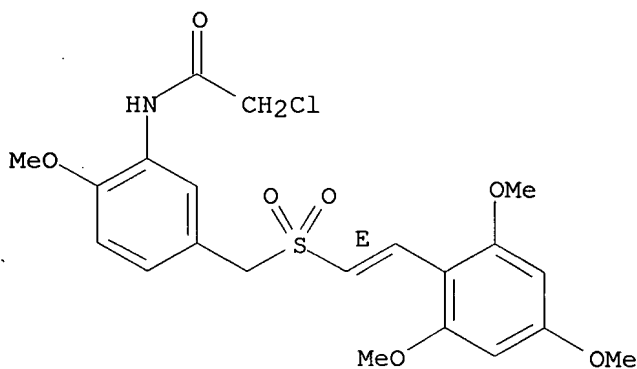
Double bond geometry as shown.



RN 592542-64-8 CAPLUS

CN Acetamide, 2-chloro-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (9CI) (CA INDEX NAME)

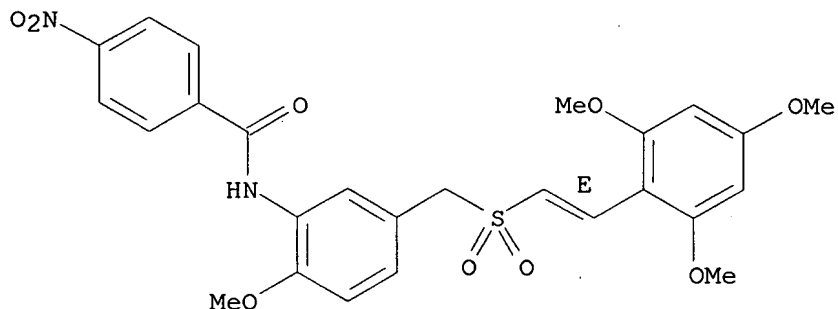
Double bond geometry as shown.



RN 592542-67-1 CAPLUS

CN Benzamide, N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]-4-nitro- (9CI) (CA INDEX NAME)

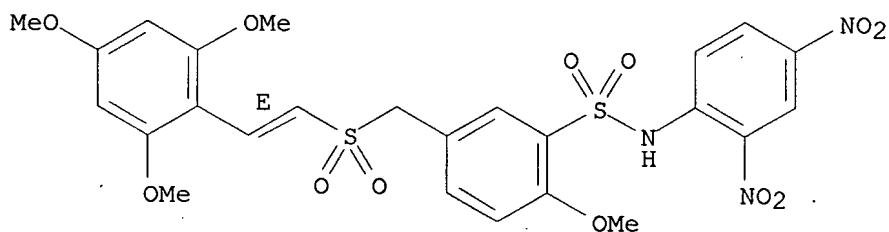
Double bond geometry as shown.



RN 592542-79-5 CAPLUS

CN Benzenesulfonamide, N-(2,4-dinitrophenyl)-2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

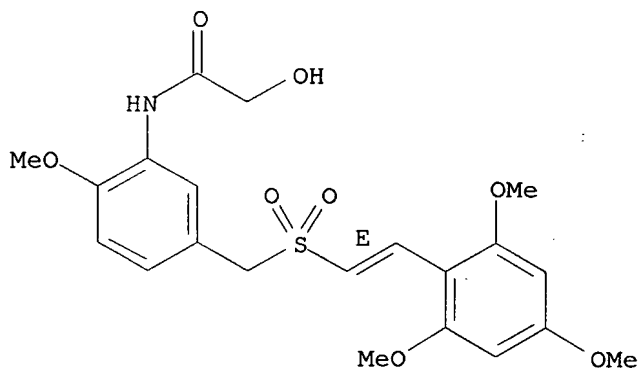
Double bond geometry as shown.



RN 592542-84-2 CAPLUS

CN Acetamide, 2-hydroxy-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (9CI) (CA INDEX NAME)

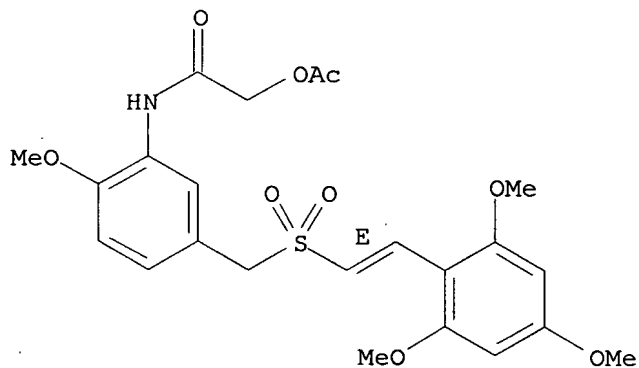
Double bond geometry as shown.



RN 592542-85-3 CAPLUS

CN Acetamide, 2-(acetyloxy)-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (CA INDEX NAME)

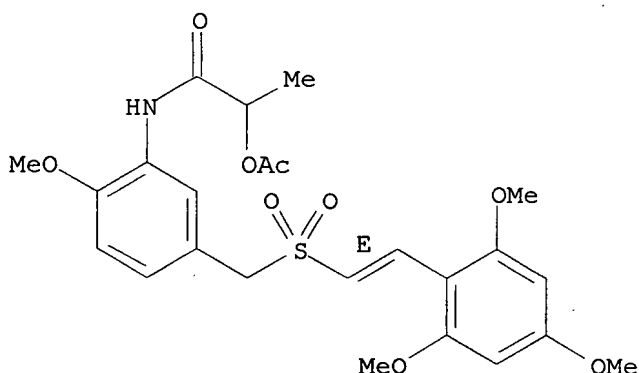
Double bond geometry as shown.



RN 592542-88-6 CAPLUS

CN Propanamide, 2-(acetyloxy)-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (CA INDEX NAME)

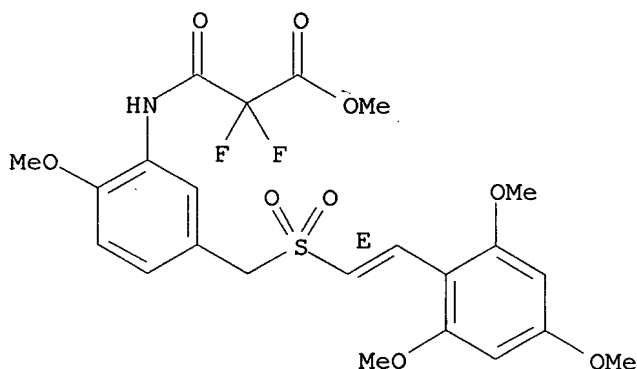
Double bond geometry as shown.



RN 592543-14-1 CAPLUS

CN Propanoic acid, 2,2-difluoro-3-[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-3-oxo-, methyl ester (CA INDEX NAME)

Double bond geometry as shown.



IT 592542-53-5P, (E)-2,4,6-Trimethoxystyryl 3-(carboxymethylsulfonylamino)-4-methoxybenzyl sulfone 592542-55-7P, (E)-2,4,6-Trimethoxystyryl 3-(carboxyacetamido)-4-methoxybenzyl sulfone 592542-56-8P, (E)-2,4,6-Trimethoxystyryl 3-(guanidino)-4-methoxybenzyl sulfone 592542-59-1P, (E)-2,4,6-Trimethoxystyryl 3-[(carboxymethyl)amino]-4-methoxybenzyl sulfone 592542-60-4P, (E)-2,4,6-Trimethoxystyryl 3-[(carboxymethyl)amino]-4-methoxybenzyl sulfone sodium salt 592542-63-7P, (E)-2,4,6-Trimethoxystyryl 3-(3,5-diaminobenzamido)-4-methoxybenzyl sulfone 592542-65-9P, (E)-2,4,6-Trimethoxystyryl 3-[(4-methylpiperazin-1-yl)acetamido]-4-methoxybenzyl sulfone 592542-66-0P, (E)-2,4,6-Trimethoxystyryl 3-(benzamido)-4-methoxybenzyl sulfone 592542-68-2P, (E)-2,4,6-Trimethoxystyryl 3-(4-aminobenzamido)-4-methoxybenzyl sulfone 592542-69-3P, (E)-2,4,6-Trimethoxystyryl 3-[(4-nitrophenyl)methyleneamino]-4-methoxybenzyl sulfone 592542-70-6P, (E)-2,4,6-Trimethoxystyryl 3-[(2S)-2,6-diaminohexanoyl]amino]-4-methoxybenzyl sulfone 592542-72-8P, (E)-2,4,6-Trimethoxystyryl 3-[(2S)-2-amino-3-hydroxypropanoyl]amino]-4-methoxybenzyl sulfone 592542-74-0P, (E)-2,4,6-Trimethoxystyryl 3-[(2R)-2-amino-3-hydroxypropanoyl]amino]-4-methoxybenzyl sulfone 592542-76-2P, (E)-2,4,6-Trimethoxystyryl 3-(ureido)-4-methoxybenzyl sulfone 592542-77-3P, (E)-2,4,6-Trimethoxystyryl 3-(methylamino)-4-methoxybenzyl sulfone 592542-78-4P, (E)-2,4,6-Trimethoxystyryl 3-(acetamido)-4-methoxybenzyl sulfone 592542-80-8P, (E)-2,4,6-Trimethoxystyryl 3-(2,4-diaminobenzenesulfamyl)-4-methoxybenzyl

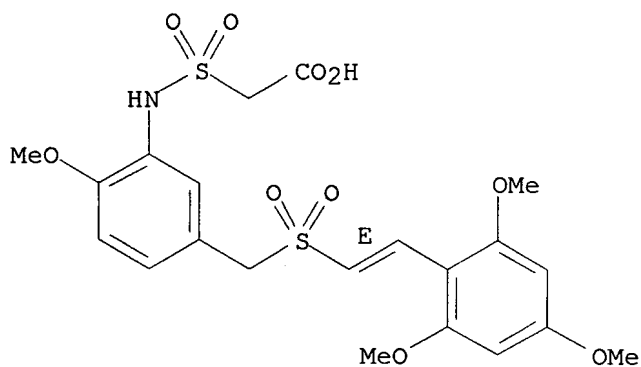
sulfone 592542-81-9P, (E)-2,4,6-Trimethoxystyryl
 3-(dimethylaminoacetamido)-4-methoxybenzyl sulfone 592542-82-0P,
 (E)-2,4,6-Trimethoxystyryl 3-[(1-carboxyethyl)amino]-4-methoxybenzyl
 sulfone 592542-83-1P, (E)-2,4,6-Trimethoxystyryl
 3-[4-(4-methylpiperazin-1-yl)benzamido]-4-methoxybenzyl sulfone
 592542-86-4P, (E)-2,4,6-Trimethoxystyryl 3-(pyridinium-1-
 yl)acetamido-4-methoxybenzyl sulfone 592542-87-5P,
 (E)-2,4,6-Trimethoxystyryl 3-(2-hydroxypropionamido)-4-methoxybenzyl
 sulfone 592542-89-7P, (E)-2,4,6-Trimethoxystyryl
 3-(triethylammonioacetamido)-4-methoxybenzyl sulfone 592542-90-0P
 , (E)-2,4,6-Trimethoxystyryl 3-[[tris(2-hydroxyethyl)ammonio]acetamido]-4-
 methoxybenzyl sulfone 592542-91-1P, (E)-2,4,6-Trimethoxystyryl
 3-(2-methyl-2-hydroxypropionamido)-4-methoxybenzyl sulfone
 592542-92-2P, (E)-2,4,6-Trimethoxystyryl 3-(2-methyl-2-
 acetoxypionamido)-4-methoxybenzyl sulfone 592542-93-3P,
 (E)-2,4,6-Trimethoxystyryl 3-(trifluoroacetamido)-4-methoxybenzyl sulfone
 592542-95-5P 592542-97-7P, (E)-2,4,6-Trimethoxystyryl
 3-[(4-hydroxy-4-oxobutanoyl)amino]-4-methoxybenzyl sulfone
 592542-99-9P, (E)-2,4,6-Trimethoxystyryl 3-[(4-chloro-4-
 oxobutanoyl)amino]-4-methoxybenzyl sulfone 592543-01-6P,
 (E)-2,4,6-Trimethoxystyryl 3-[2-[(3-carboxypropanoyl)oxy]acetamido]-4-
 methoxybenzyl sulfone 592543-03-8P, (E)-2,4,6-Trimethoxystyryl
 3-[(5-hydroxy-5-oxopentanoyl)amino]-4-methoxybenzyl sulfone
 592543-05-0P, (E)-2,4,6-Trimethoxystyryl 3-(phosphonooxyacetamido)-
 4-methoxybenzyl sulfone disodium salt 592543-06-1P,
 (E)-2,4,6-Trimethoxystyryl 3-[(3-carboxypropyl)amino]-4-methoxybenzyl
 sulfone 592543-08-3P, (E)-2,4,6-Trimethoxystyryl
 3-[(2-carboxyethyl)amino]-4-methoxybenzyl sulfone 592543-09-4P,
 (E)-2,4,6-Trimethoxystyryl 3-(methoxycarbonylamino)-4-methoxybenzyl
 sulfone 592543-10-7P, (E)-2,4,6-Trimethoxystyryl
 3-[(4-methoxybenzenesulfonyl)amino]-4-methoxybenzyl sulfone
 592543-11-8P, (E)-2,4,6-Trimethoxystyryl 3-[(4-methoxy-4-
 oxobutanoyl)amino]-4-methoxybenzyl sulfone 592543-12-9P,
 (E)-2,4,6-Trimethoxystyryl 3-[(3-ethoxy-3-oxopropanoyl)amino]-4-
 methoxybenzyl sulfone 592543-13-0P, (E)-2,4,6-Trimethoxystyryl
 3-(pentafluoropropionamido)-4-methoxybenzyl sulfone 592543-15-2P
 , (E)-2,4,6-Trimethoxystyryl 3-[(2,2,3,3-tetrafluoro-4-hydroxy-4-
 oxobutanoyl)amino]-4-methoxybenzyl sulfone 592543-16-3P,
 (E)-2,4,6-Trimethoxystyryl 3-(aminoacetamido)-4-methoxybenzyl sulfone
 hydrochloride 592543-17-4P, (E)-2,4,6-Trimethoxystyryl
 3-[(2,2-difluoro-3-hydroxy-3-oxopropanoyl)amino]-4-methoxybenzyl sulfone
 592543-18-5P, (E)-2,4,6-Trimethoxystyryl 3-(2-dimethylamino-2,2-
 difluoroacetamido)-4-methoxybenzyl sulfone 592543-20-9P,
 (E)-2,4,6-Trimethoxystyryl 3-(diethylphosphonooxyacetamido)-4-
 methoxybenzyl sulfone 592543-21-0P, (E)-2,4,6-Trimethoxystyryl
 3-[(4-ethoxy-2,2,3,3-tetrafluoro-4-oxobutanoyl)amino]-4-methoxybenzyl
 sulfone 592543-22-1P, (E)-2,4,6-Trimethoxystyryl
 3-(aminoacetamido)-4-methoxybenzyl sulfone 592543-23-2P,
 (E)-2,4,6-Trimethoxystyryl 3-[(R)-1-carboxyethyl)amino]-4-methoxybenzyl
 sulfone 592543-24-3P, (E)-2,4,6-Trimethoxystyryl
 3-[(S)-1-carboxyethyl)amino]-4-methoxybenzyl sulfone
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(drug candidate; preparation of amino-substituted (E)-2,6-dialkoxystyryl
 4-substituted benzyl sulfones for treating proliferative disorders)

RN 592542-53-5 CAPLUS

CN Acetic acid, [[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]sulfonyl]- (9CI) (CA INDEX NAME)

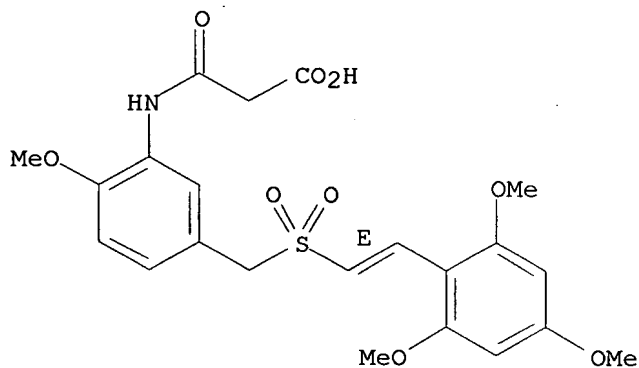
Double bond geometry as shown.



RN 592542-55-7 CAPLUS

CN Propanoic acid, 3-[[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-3-oxo- (9CI) (CA INDEX NAME)

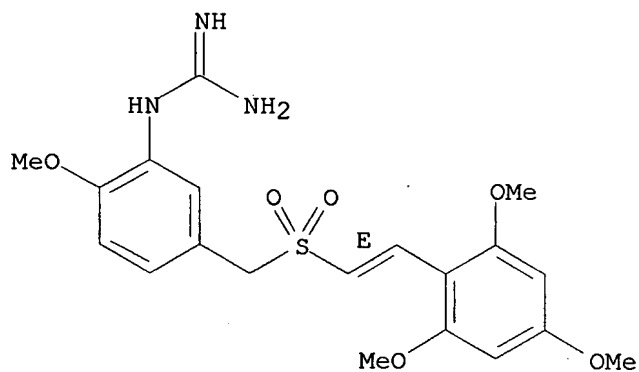
Double bond geometry as shown.



RN 592542-56-8 CAPLUS

CN Guanidine, [2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (9CI) (CA INDEX NAME)

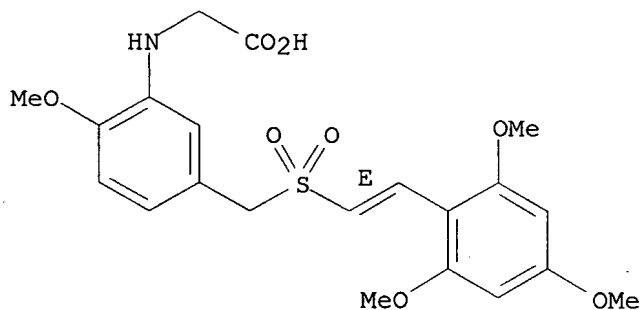
Double bond geometry as shown.



RN 592542-59-1 CAPLUS

CN Glycine, N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (CA INDEX NAME)

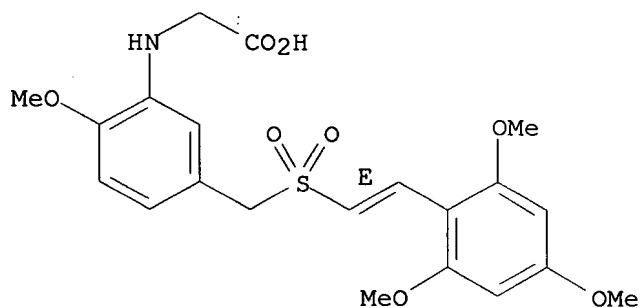
Double bond geometry as shown.



RN 592542-60-4 CAPLUS

CN Glycine, N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]-, monosodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

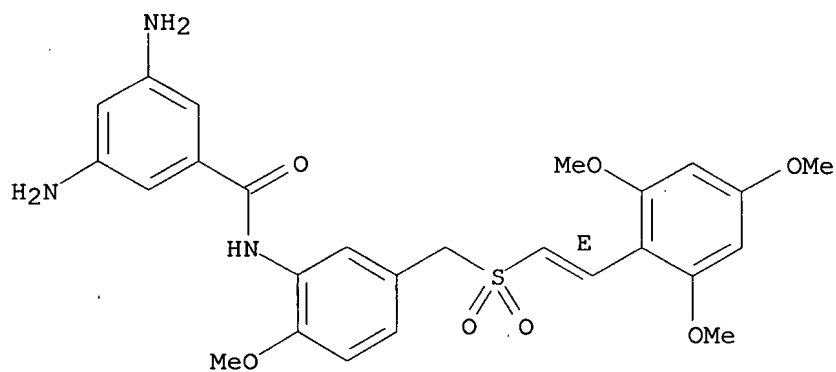


● Na

RN 592542-63-7 CAPLUS

CN Benzamide, 3,5-diamino-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (9CI) (CA INDEX NAME)

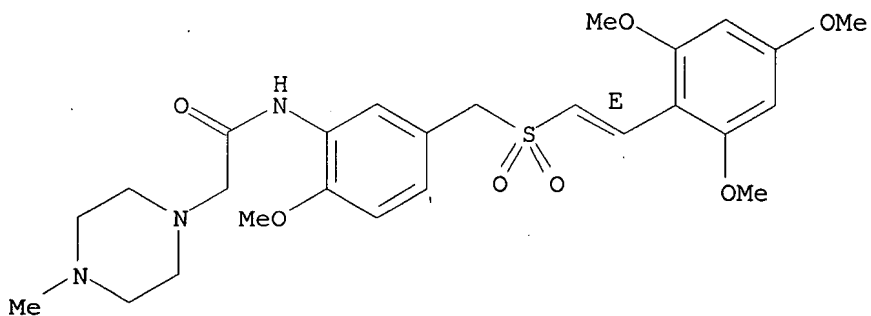
Double bond geometry as shown.



RN 592542-65-9 CAPLUS

CN 1-Piperazineacetamide, N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]-4-methyl- (9CI) (CA INDEX NAME)

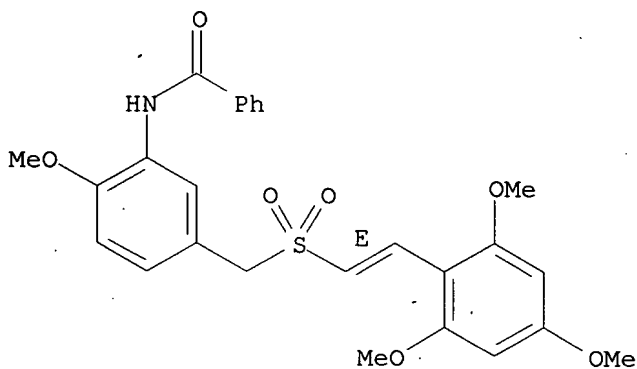
Double bond geometry as shown.



RN 592542-66-0 CAPLUS

CN Benzamide, N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonylmethyl]phenyl]- (9CI) (CA INDEX NAME)

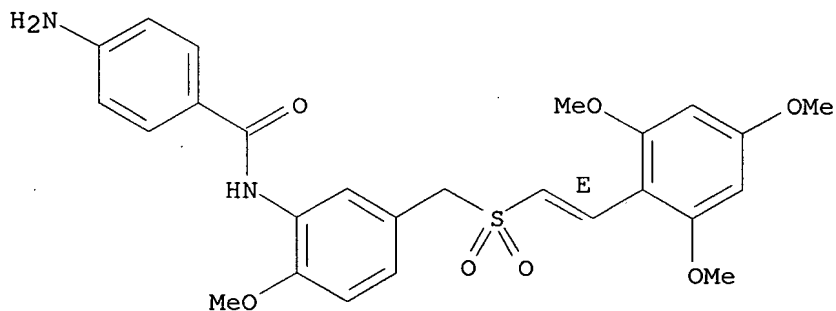
Double bond geometry as shown.



RN 592542-68-2 CAPLUS

CN Benzamide, 4-amino-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonylmethyl]phenyl]- (9CI) (CA INDEX NAME)

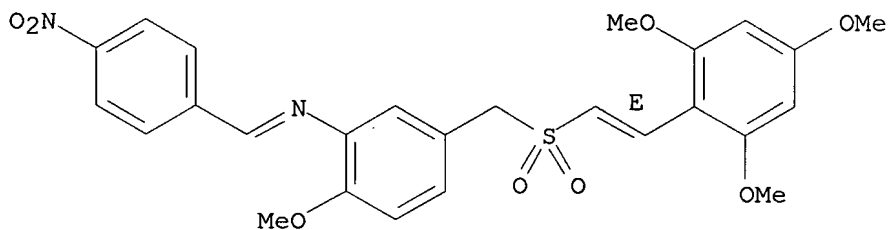
Double bond geometry as shown.



RN 592542-69-3 CAPLUS

CN Benzenamine, 2-methoxy-N-[(4-nitrophenyl)methylene]-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonylmethyl]- (9CI) (CA INDEX NAME)

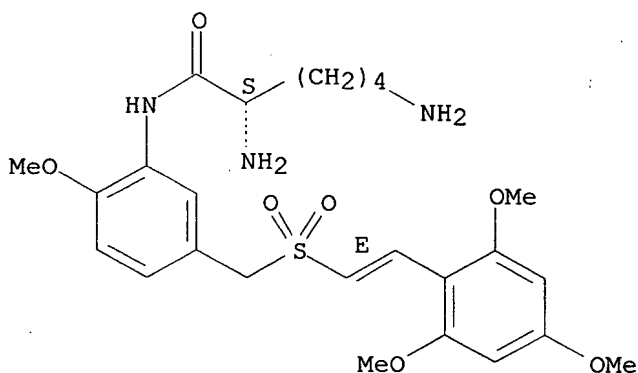
Double bond geometry as described by E or Z.



RN 592542-70-6 CAPLUS

CN Hexanamide, 2,6-diamino-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

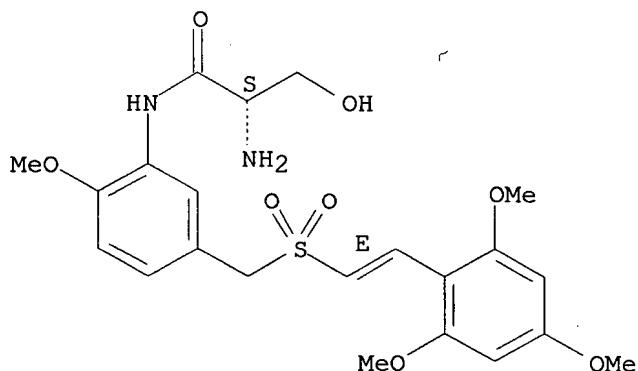
Absolute stereochemistry.
Double bond geometry as shown.



RN 592542-72-8 CAPLUS

CN Propanamide, 2-amino-3-hydroxy-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

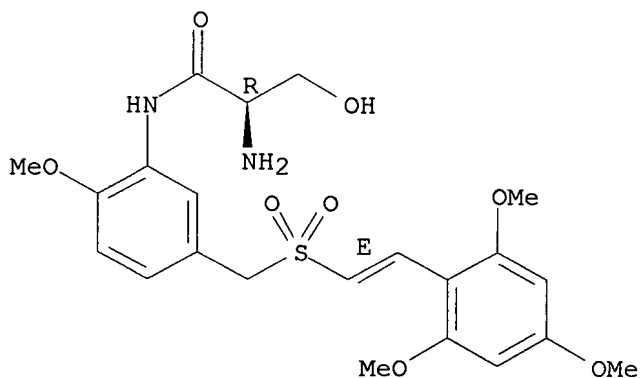


RN 592542-74-0 CAPLUS

CN Propanamide, 2-amino-3-hydroxy-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

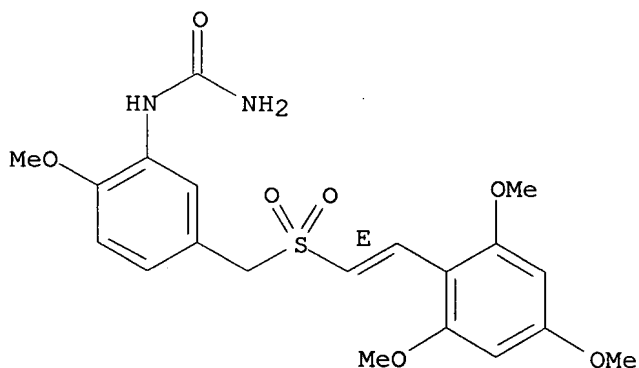
Double bond geometry as shown.



RN 592542-76-2 CAPLUS

CN Urea, [2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (9CI) (CA INDEX NAME)

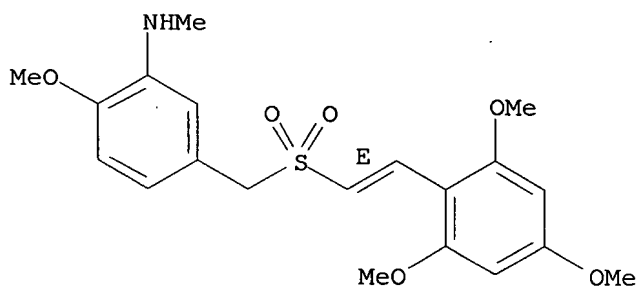
Double bond geometry as shown.



RN 592542-77-3 CAPLUS

CN Benzenamine, 2-methoxy-N-methyl-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

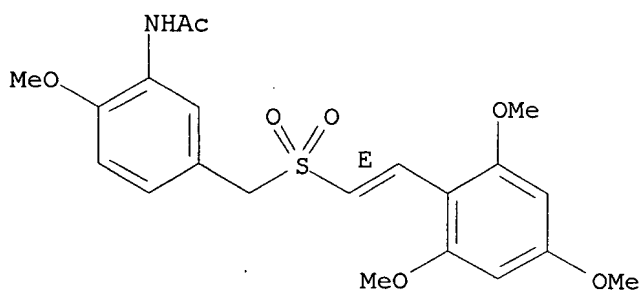
Double bond geometry as shown.



RN 592542-78-4 CAPLUS

CN Acetamide, N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (9CI) (CA INDEX NAME)

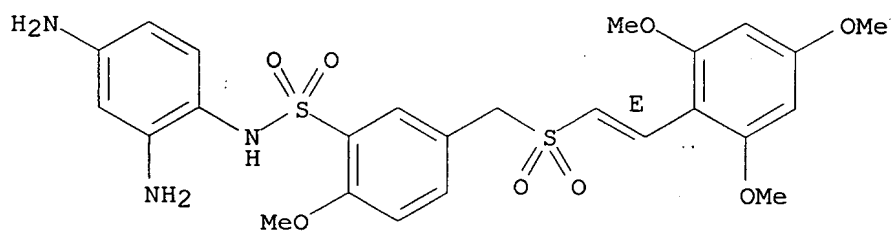
Double bond geometry as shown.



RN 592542-80-8 CAPLUS

CN Benzenesulfonamide, N-(2,4-diaminophenyl)-2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

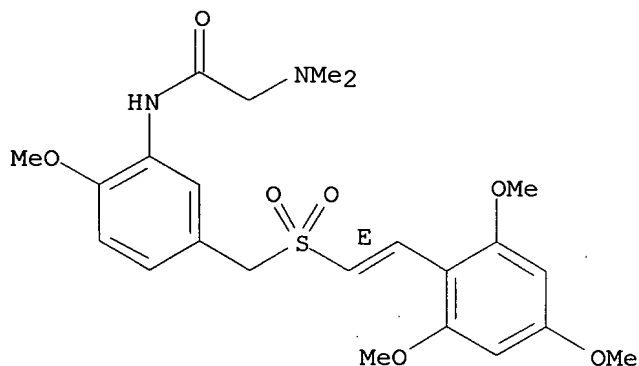
Double bond geometry as shown.



RN 592542-81-9 CAPLUS

CN Acetamide, 2-(dimethylamino)-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (9CI) (CA INDEX NAME)

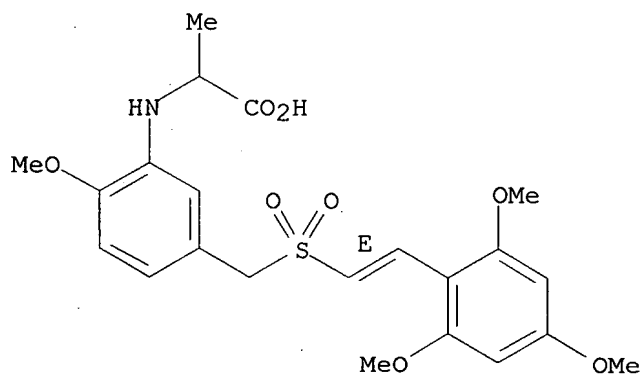
Double bond geometry as shown.



RN 592542-82-0 CAPLUS

CN Alanine, N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (CA INDEX NAME)

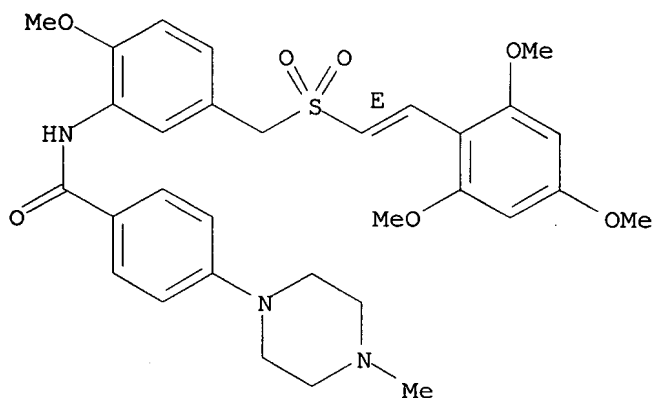
Double bond geometry as shown.



RN 592542-83-1 CAPLUS

CN Benzamide, N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonylmethyl]phenyl]-4-(4-methyl-1-piperazinyl)]- (CA INDEX NAME)

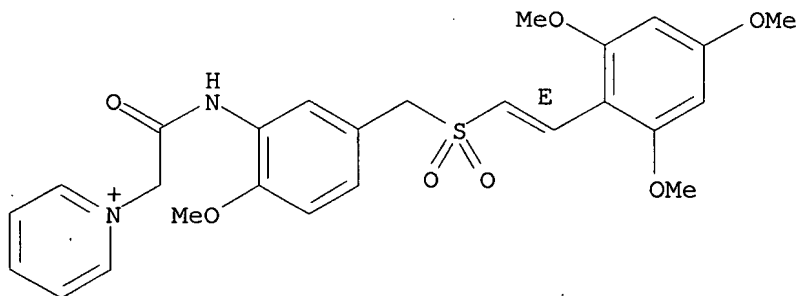
Double bond geometry as shown.



RN 592542-86-4 CAPLUS

CN Pyridinium, 1-[2-[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonylmethyl]phenyl]amino]-2-oxoethyl]]- (9CI) (CA INDEX NAME)

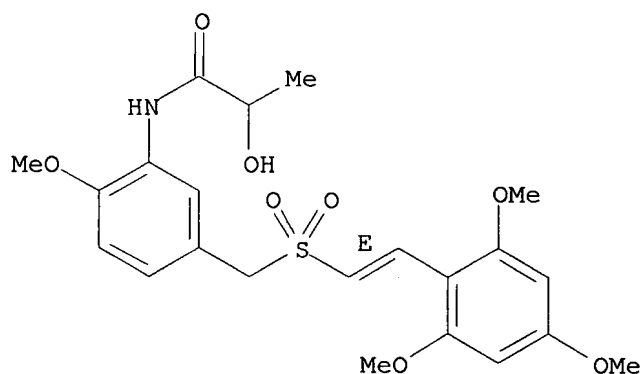
Double bond geometry as shown.



RN 592542-87-5 CAPLUS

CN Propanamide, 2-hydroxy-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonylmethyl]phenyl]]- (9CI) (CA INDEX NAME)

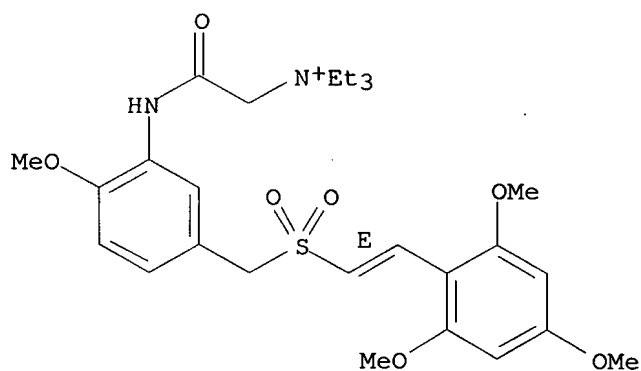
Double bond geometry as shown.



RN 592542-89-7 CAPLUS

CN Ethanaminium, N,N,N-triethyl-2-[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-2-oxo- (CA INDEX NAME)

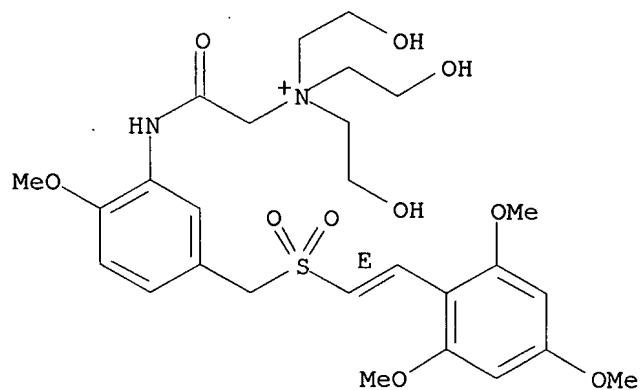
Double bond geometry as shown.



RN 592542-90-0 CAPLUS

CN Ethanaminium, N,N,N-tris(2-hydroxyethyl)-2-[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-2-oxo- (CA INDEX NAME)

Double bond geometry as shown.

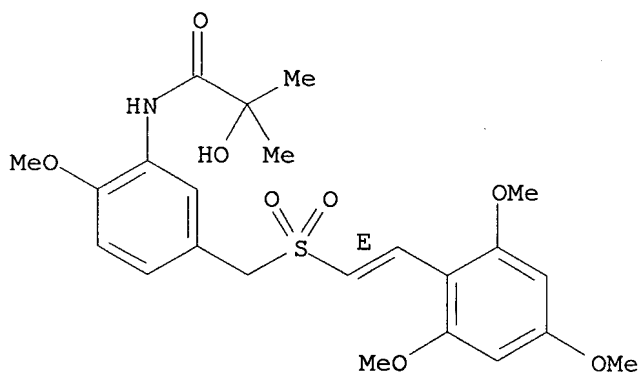


RN 592542-91-1 CAPLUS

CN Propanamide, 2-hydroxy-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]-2-methyl- (CA INDEX NAME)

NAME)

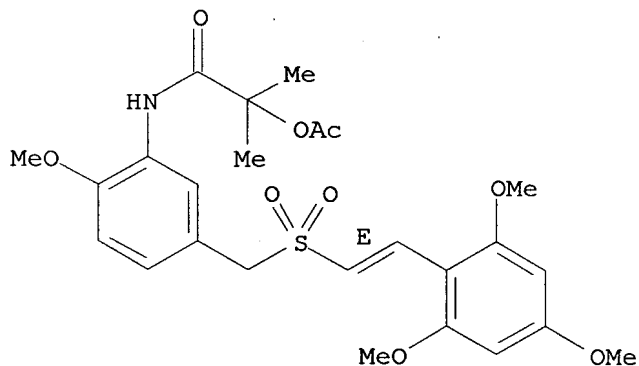
Double bond geometry as shown.



RN 592542-92-2 CAPLUS

CN Propanamide, 2-(acetyloxy)-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]-2-methyl- (CA INDEX NAME)

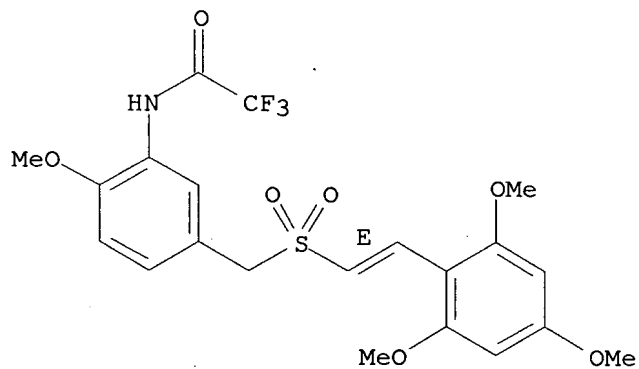
Double bond geometry as shown.



RN 592542-93-3 CAPLUS

CN Acetamide, 2,2,2-trifluoro-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (CA INDEX NAME)

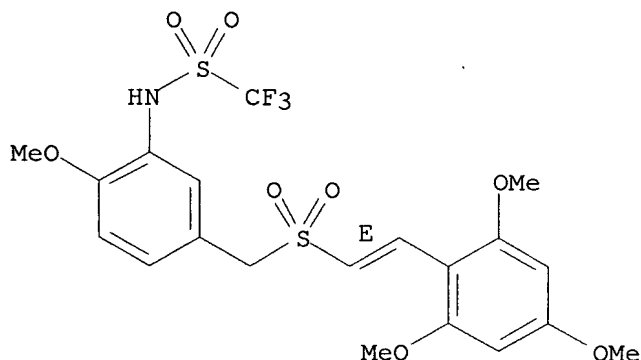
Double bond geometry as shown.



RN 592542-95-5 CAPLUS

CN Methanesulfonamide, 1,1,1-trifluoro-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (CA INDEX NAME)

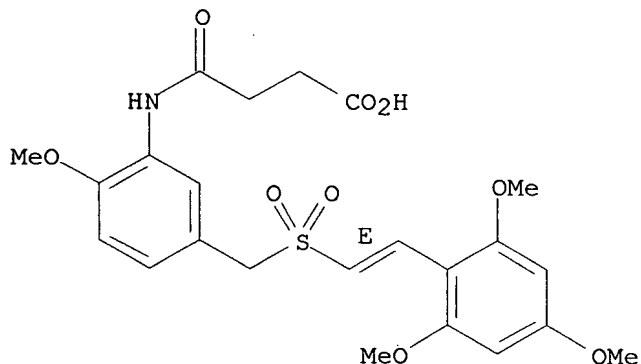
Double bond geometry as shown.



RN 592542-97-7 CAPLUS

CN Butanoic acid, 4-[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-4-oxo- (9CI) (CA INDEX NAME)

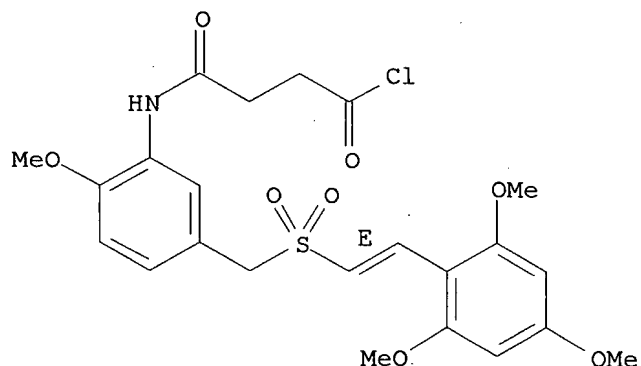
Double bond geometry as shown.



RN 592542-99-9 CAPLUS

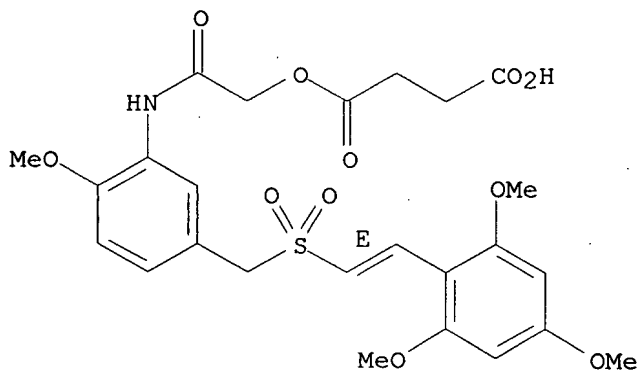
CN Butanoyl chloride, 4-[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-4-oxo- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



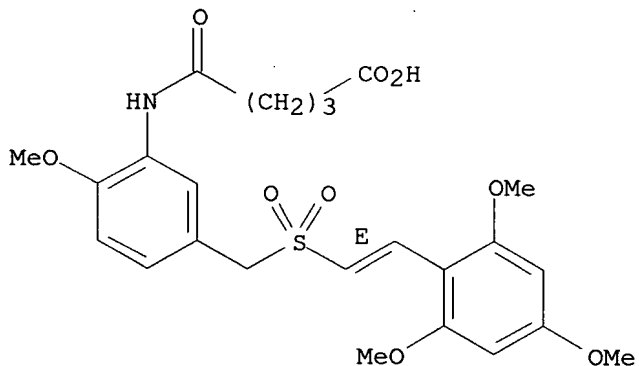
RN 592543-01-6 CAPLUS
 CN Butanedioic acid, mono[2-[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-2-oxoethyl] ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



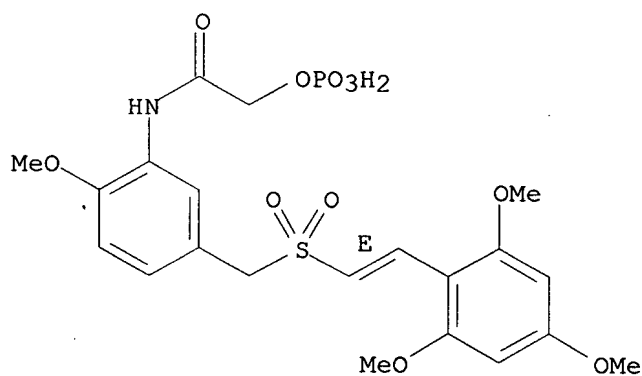
RN 592543-03-8 CAPLUS
 CN Pentanoic acid, 5-[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-5-oxo- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 592543-05-0 CAPLUS
 CN Acetamide, N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]-2-(phosphonoxy)-, disodium salt (9CI) (CA INDEX NAME)

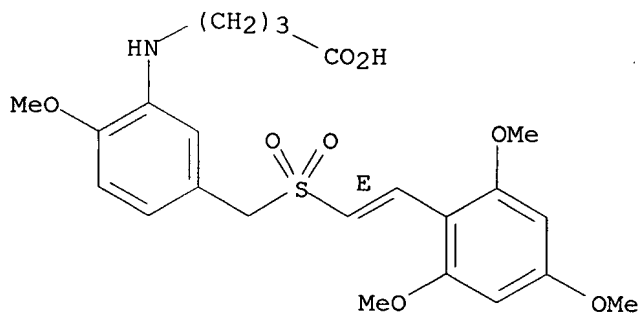
Double bond geometry as shown.



● 2 Na

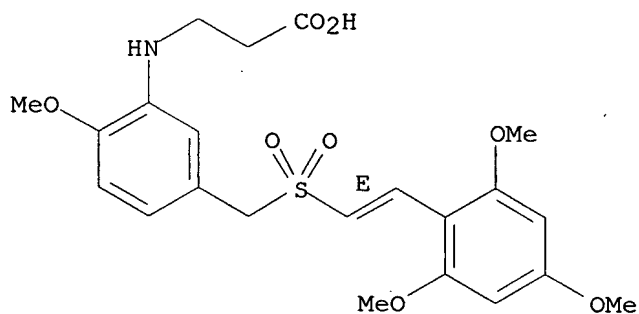
RN 592543-06-1 CAPLUS
 CN Butanoic acid, 4-[[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



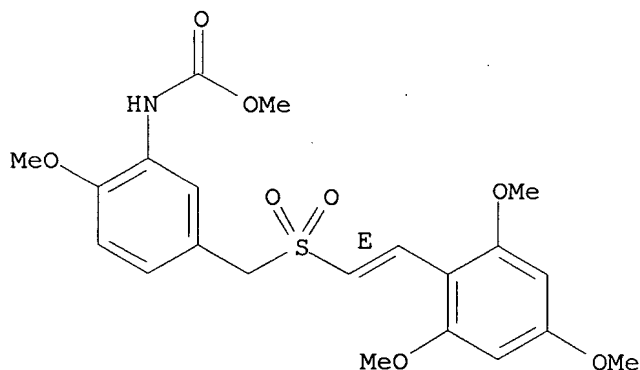
RN 592543-08-3 CAPLUS
 CN β -Alanine, N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 592543-09-4 CAPLUS
 CN Carbamic acid, [2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

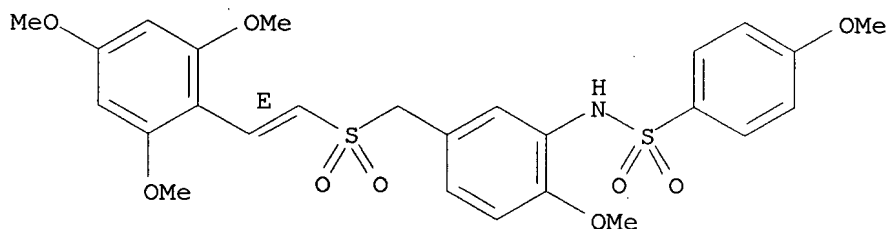
Double bond geometry as shown.



RN 592543-10-7 CAPLUS

CN Benzenesulfonamide, 4-methoxy-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (9CI) (CA INDEX NAME)

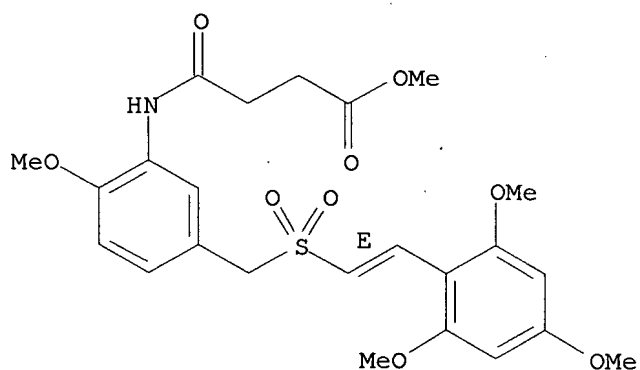
Double bond geometry as shown.



RN 592543-11-8 CAPLUS

CN Butanoic acid, 4-[[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-4-oxo-, methyl ester (9CI) (CA INDEX NAME)

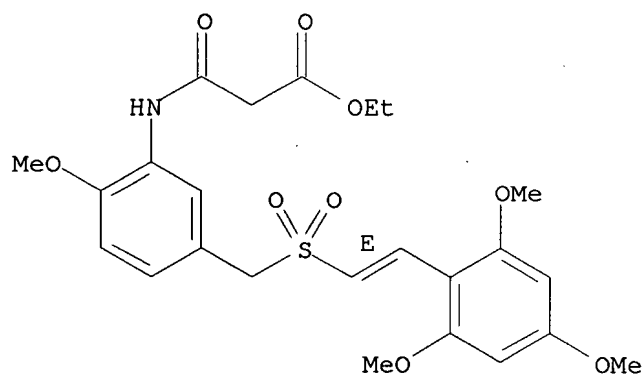
Double bond geometry as shown.



RN 592543-12-9 CAPLUS

CN Propanoic acid, 3-[[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)

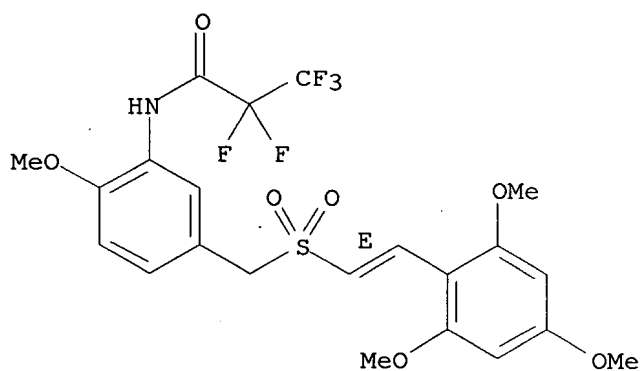
Double bond geometry as shown.



RN 592543-13-0 CAPLUS

CN Propanamide, 2,2,3,3,3-pentafluoro-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (CA INDEX NAME)

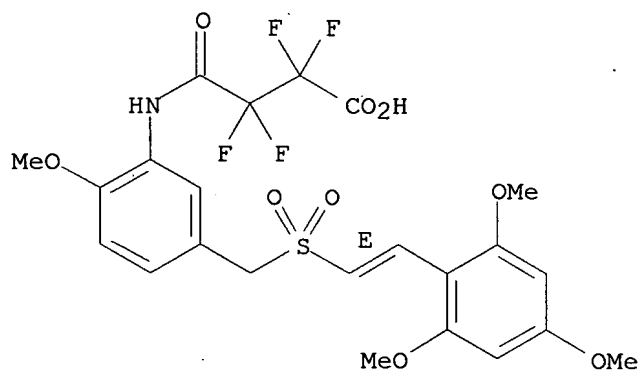
Double bond geometry as shown.



RN 592543-15-2 CAPLUS

CN Butanoic acid, 2,2,3,3-tetrafluoro-4-[[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-4-oxo- (CA INDEX NAME)

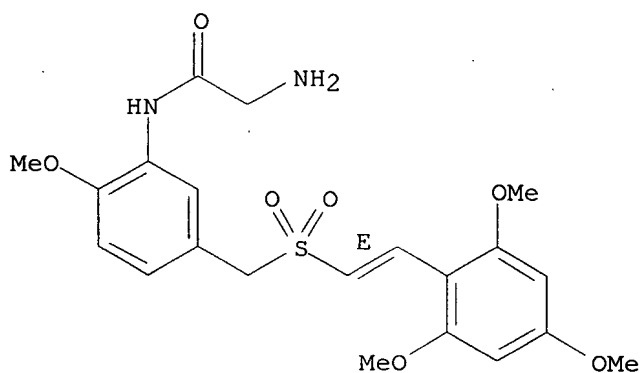
Double bond geometry as shown.



RN 592543-16-3 CAPLUS

CN Acetamide, 2-amino-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Double bond geometry as shown.

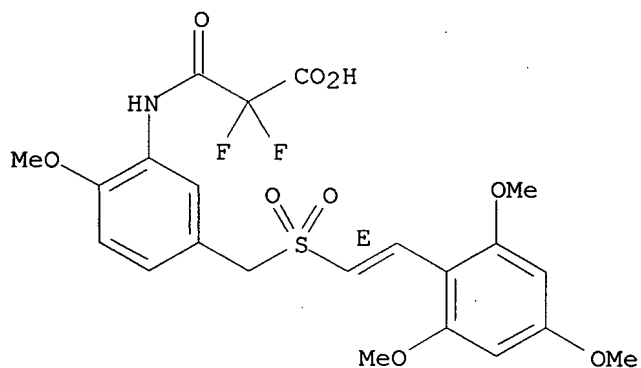


● HCl

RN 592543-17-4 CAPLUS

CN Propanoic acid, 2,2-difluoro-3-[[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-3-oxo- (CA INDEX NAME)

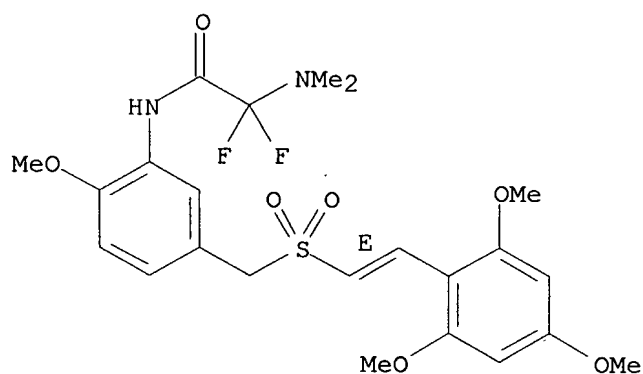
Double bond geometry as shown.



RN 592543-18-5 CAPLUS

CN Acetamide, 2-(dimethylamino)-2,2-difluoro-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (CA INDEX NAME)

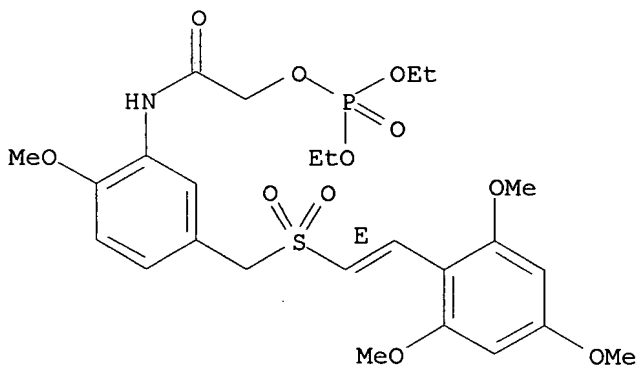
Double bond geometry as shown.



RN 592543-20-9 CAPLUS

CN Phosphoric acid, diethyl 2-[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-2-oxoethyl ester (9CI) (CA INDEX NAME)

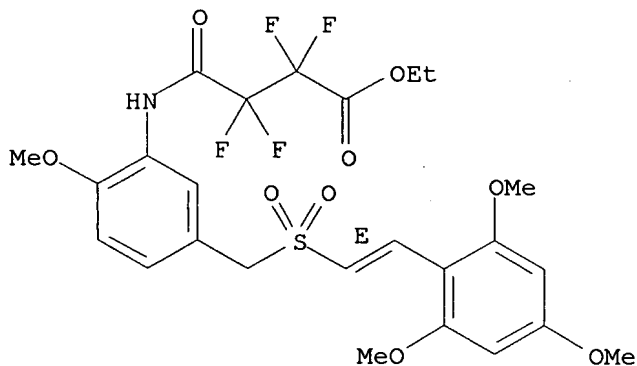
Double bond geometry as shown.



RN 592543-21-0 CAPLUS

CN Butanoic acid, 2,2,3,3-tetrafluoro-4-[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-4-oxo-, ethyl ester (9CI) (CA INDEX NAME)

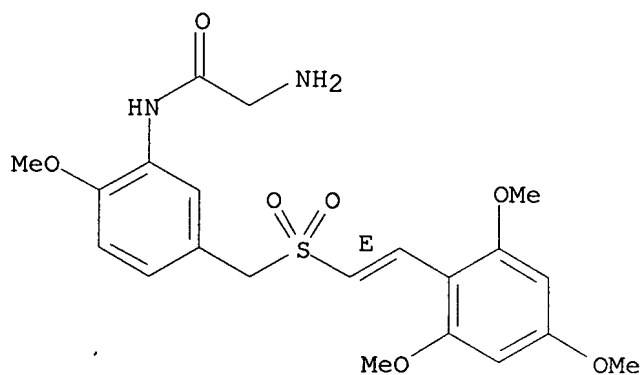
Double bond geometry as shown.



RN 592543-22-1 CAPLUS

CN Acetamide, 2-amino-N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

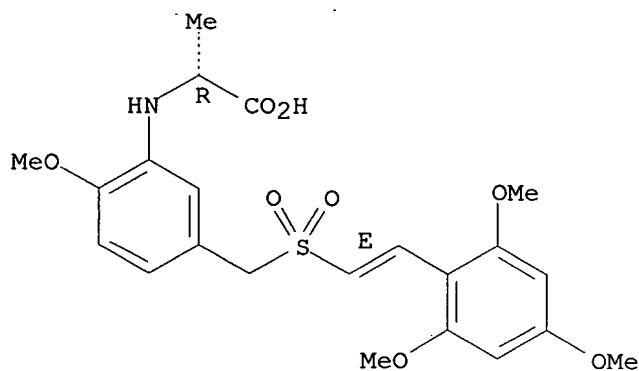


RN 592543-23-2 CAPLUS

CN D-Alanine, N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonylmethyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

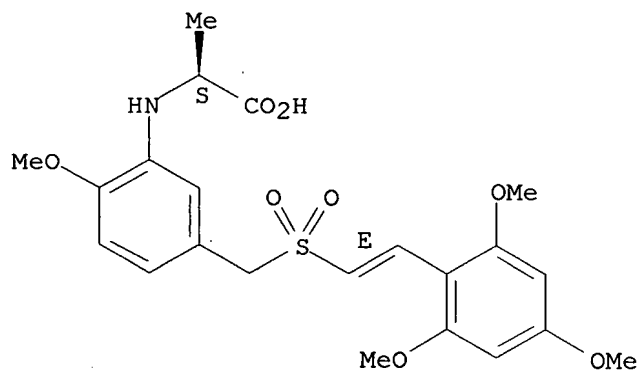


RN 592543-24-3 CAPLUS

CN L-Alanine, N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonylmethyl]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.



IT 592542-61-5, (E)-2,4,6-Trimethoxystyryl 3-

(carbomethoxymethylamino)-4-methoxybenzyl sulfone

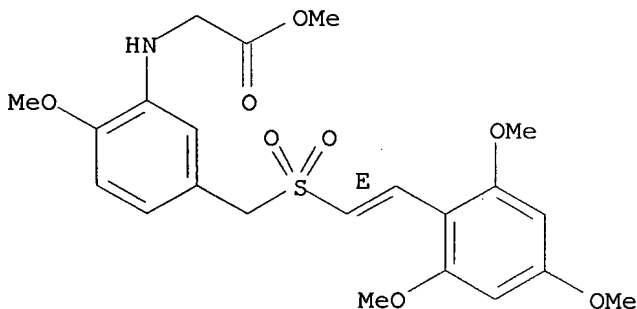
RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of amino-substituted (E)-2,6-dialkoxystyryl 4-substituted benzyl sulfones for treating proliferative disorders)

RN 592542-61-5 CAPLUS

CN Glycine, N-[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



IT 592542-54-6P, (E)-2,4,6-Trimethoxystyryl 3-

(methoxycarbonylmethanesulfonylamino)-4-methoxybenzyl sulfone

592542-57-9P, (E)-2,4,6-Trimethoxystyryl 3-[N',N'-bis(tert-

butoxycarbonyl)guanidino]-4-methoxybenzyl sulfone 592542-71-7P,

(E)-2,4,6-Trimethoxystyryl 3-[[(2S)-2,6-bis(Fmoc-amino)hexanoyl]amino]-4-

methoxybenzyl sulfone 592542-73-9P, (E)-2,4,6-Trimethoxystyryl

3-[[(2S)-2-(Fmoc-amino)-3-hydroxypropanoyl]amino]-4-methoxybenzyl sulfone

592542-75-1P, (E)-2,4,6-Trimethoxystyryl 3-[[(2R)-2-(Fmoc-amino)-3-

hydroxypropanoyl]amino]-4-methoxybenzyl sulfone

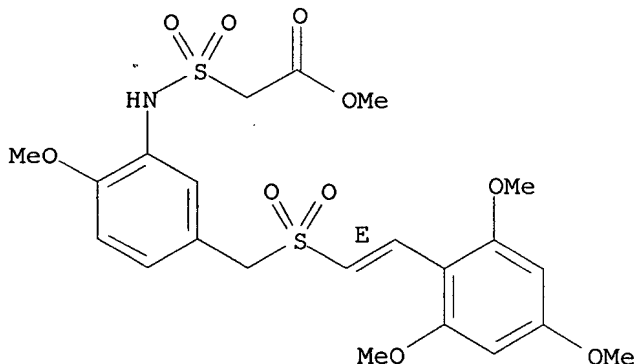
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of amino-substituted (E)-2,6-dialkoxystyryl 4-substituted benzyl sulfones for treating proliferative disorders)

RN 592542-54-6 CAPLUS

CN Acetic acid, [[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

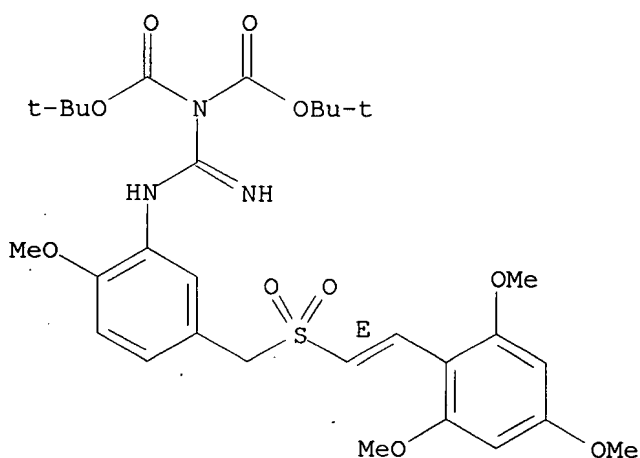
Double bond geometry as shown.



RN 592542-57-9 CAPLUS

CN Imidodicarbonic acid, [imino[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]methyl]-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

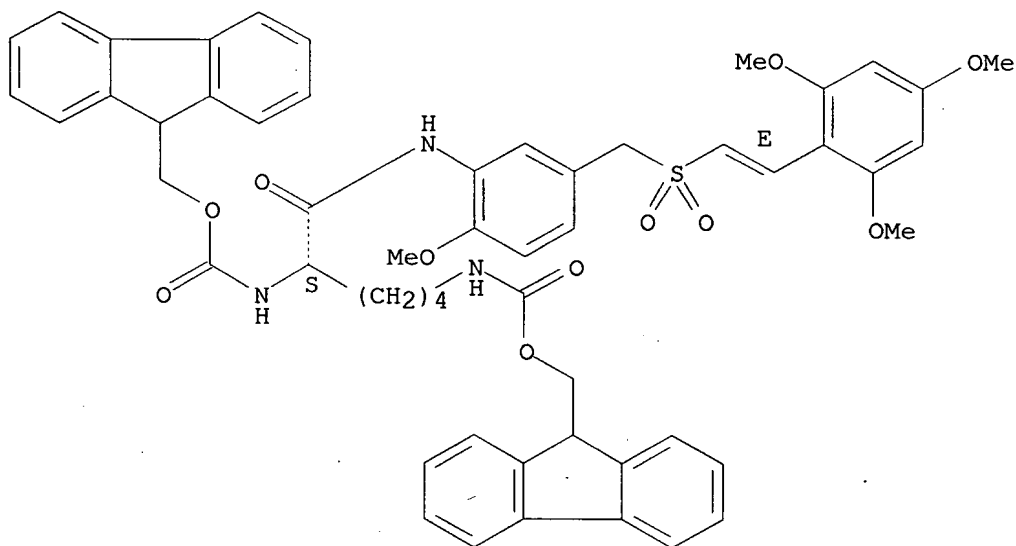
Double bond geometry as shown.



RN 592542-71-7 CAPLUS

CN Carbamic acid, [(1S)-1-[[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]carbonyl]-1,5-pentanediy]bis-, bis(9H-fluoren-9-ylmethyl) ester (9CI) (CA INDEX NAME)

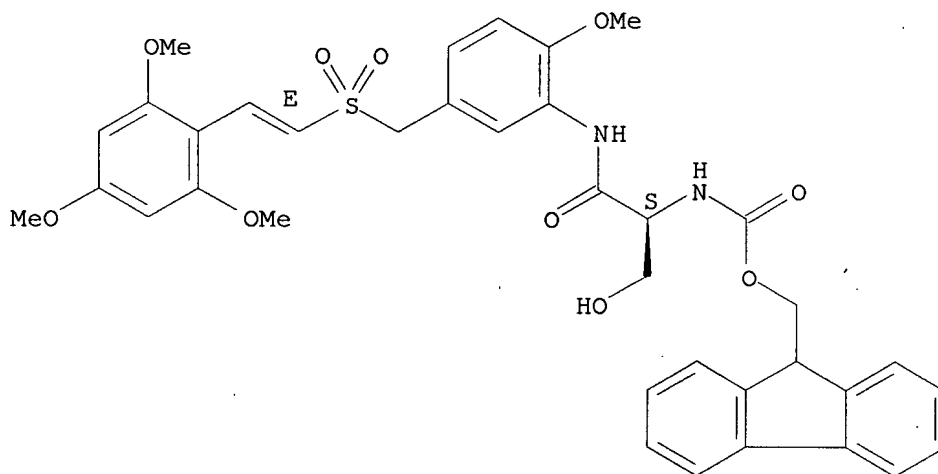
Absolute stereochemistry.
Double bond geometry as shown.



RN 592542-73-9 CAPLUS

CN Carbamic acid, [(1S)-1-(hydroxymethyl)-2-[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-2-oxoethyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

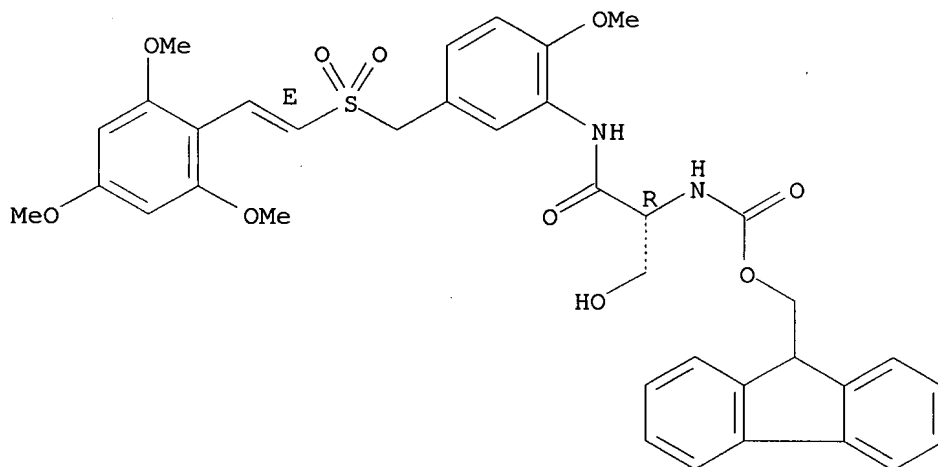
Absolute stereochemistry.
Double bond geometry as shown.



RN 592542-75-1 CAPLUS

CN Carbamic acid, [(1R)-1-(hydroxymethyl)-2-[[2-methoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]phenyl]amino]-2-oxoethyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



L3 ANSWER 28 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:613306 CAPLUS

DOCUMENT NUMBER: 140:111018

TITLE: Stereospecific Grignard reactions of cholesteryl 1-alkenesulfinate esters: Application of the Andersen protocol to the preparation of non-racemic α,β -unsaturated sulfoxides

AUTHOR(S): Strickler, Rick R.; Motto, John M.; Humber, Craig C.; Schwan, Adrian L.

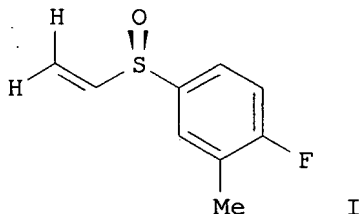
CORPORATE SOURCE: Guelph-Waterloo Centre for Graduate Work in Chemistry and Biochemistry, Department of Chemistry and Biochemistry, University of Guelph, Guelph, ON, N1G 2W1, Can.

SOURCE: Canadian Journal of Chemistry (2003), 81(6), 423-430
CODEN: CJCHAG; ISSN: 0008-4042

PUBLISHER: National Research Council of Canada

DOCUMENT TYPE: Journal

LANGUAGE: English
 OTHER SOURCE(S): CASREACT 140:111018
 GI



AB Enantiomerically enriched α,β -unsatd. sulfinates esters of (-)-cholesterol undergo stereospecific substitutions at sulfur when treated with Grignard reagents. Sulfoxides, e.g., I, with enantiomeric excesses of 85-99.5% were obtained when enantiopure sulfinates were used. The substitution reactions proceed with inversion of sulfur configuration. Enantiomerically pure cholesteryl (E)-2-carbomethoxyethenesulfinate is not a suitable reactant under the Grignard reaction conditions. It is suggested that the ester group induces unwanted reactions significantly lowering both the yield and sulfur stereogenicity.

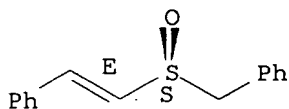
IT 646516-55-4P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (asym. synthesis of α,β -unsatd. sulfoxides via nucleophilic substitution of chiral cholesteryl alkenesulfinates with Grignard reagents)

RN 646516-55-4 CAPLUS

CN Benzene, [[(S)-[(1E)-2-phenylethenyl]sulfinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).
 Double bond geometry as shown.



REFERENCE COUNT: 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 29 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:449847 CAPLUS

DOCUMENT NUMBER: 139:17566

TITLE: Z-styryl sulfone anticancer agents, and preparation thereof

INVENTOR(S): Reddy, E. Premkumar; Reddy, M. V. Ramana

PATENT ASSIGNEE(S): Temple University, USA

SOURCE: U.S., 9 pp., Cont.-in-part of U.S. Ser. No. 282,855.
 CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6576675	B1	20030610	US 2001-937805	20010928

US 6201154 B1 20010313 US 1999-282855 19990331
 WO 2000057872 A1 20001005 WO 2000-US8350 20000330

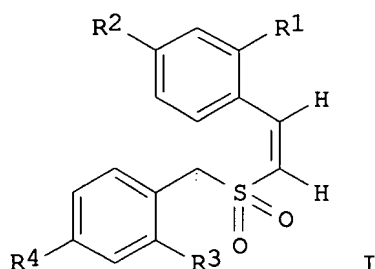
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:

US 1999-282855 A2 19990331
 WO 2000-US8350 W 20000330

OTHER SOURCE(S): MARPAT 139:17566
 GI



AB (Z)-styryl benzylsulfones I (R1 = H, Cl, NO2; R2 = H, lower alkyl, lower alkoxy, Cl, Br, I, F; R3, R4 = H, lower alkyl, NO2, Cl, Br, I, F; provided that at least one of R1 or R2 is H) are useful as anticancer agents. The corresponding (Z)-styryl benzylsulfides are useful as intermediates in the preparation of the biol. active (Z)-styryl benzyl sulfones.

IT 32291-81-9P 136272-42-9P 158606-43-0P
 158606-44-1P 158606-45-2P 298197-01-0P
 298197-03-2P 298197-05-4P 298197-09-8P
 298197-11-2P 298197-13-4P 298197-14-5P
 298197-15-6P 298197-16-7P 298197-17-8P
 298197-18-9P 298197-19-0P 298197-20-3P
 298197-21-4P 298197-22-5P

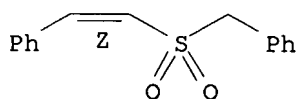
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(Z)-styryl sulfone anticancer agents, and preparation)

RN 32291-81-9 CAPLUS

CN Benzene, [[[1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

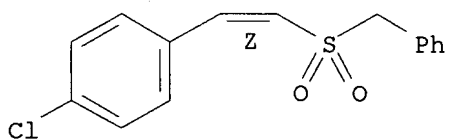
Double bond geometry as shown.



RN 136272-42-9 CAPLUS

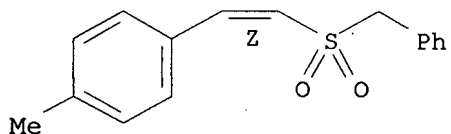
CN Benzene, 1-chloro-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



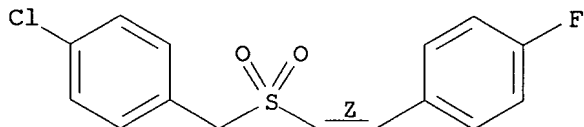
RN 158606-43-0 CAPLUS
 CN Benzene, 1-methyl-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



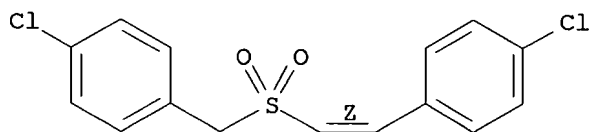
RN 158606-44-1 CAPLUS
 CN Benzene, 1-chloro-4-[[[(1Z)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



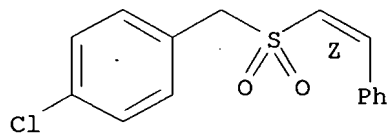
RN 158606-45-2 CAPLUS
 CN Benzene, 1-chloro-4-[[[(1Z)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



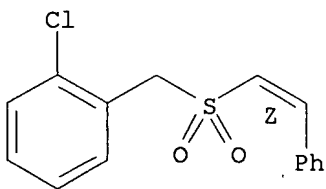
RN 298197-01-0 CAPLUS
 CN Benzene, 1-chloro-4-[[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 298197-03-2 CAPLUS
 CN Benzene, 1-chloro-2-[[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

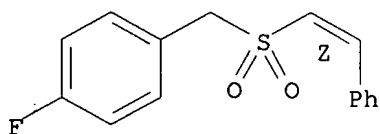
Double bond geometry as shown.



RN 298197-05-4 CAPLUS

CN Benzene, 1-fluoro-4-[[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

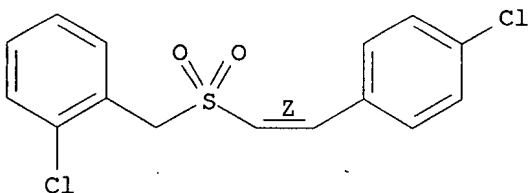
Double bond geometry as shown.



RN 298197-09-8 CAPLUS

CN Benzene, 1-chloro-2-[[[(1Z)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

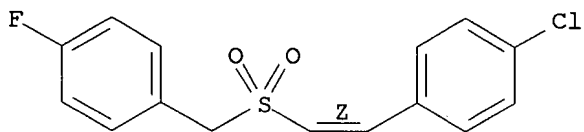
Double bond geometry as shown.



RN 298197-11-2 CAPLUS

CN Benzene, 1-chloro-4-[(1Z)-2-[[(4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

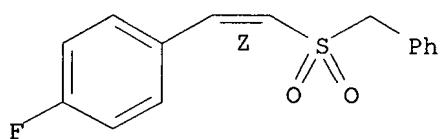
Double bond geometry as shown.



RN 298197-13-4 CAPLUS

CN Benzene, 1-fluoro-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

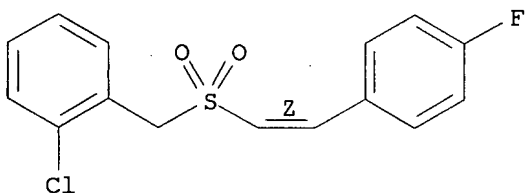
Double bond geometry as shown.



RN 298197-14-5 CAPLUS

CN Benzene, 1-chloro-2-[[[(1Z)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

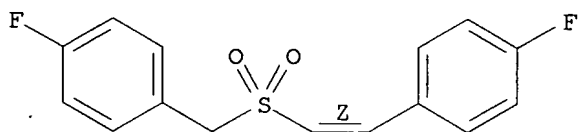
Double bond geometry as shown.



RN 298197-15-6 CAPLUS

CN Benzene, 1-fluoro-4-[[[(1Z)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

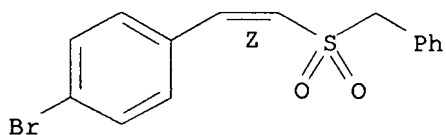
Double bond geometry as shown.



RN 298197-16-7 CAPLUS

CN Benzene, 1-bromo-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

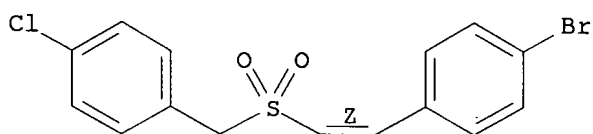
Double bond geometry as shown.



RN 298197-17-8 CAPLUS

CN Benzene, 1-bromo-4-[(1Z)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

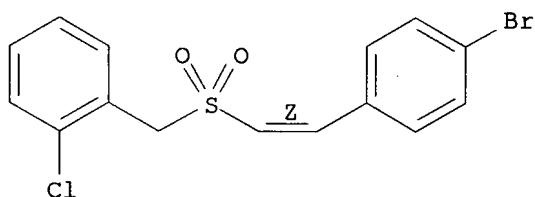
Double bond geometry as shown.



RN 298197-18-9 CAPLUS

CN Benzene, 1-[[[(1Z)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-2-chloro-
(9CI) (CA INDEX NAME)

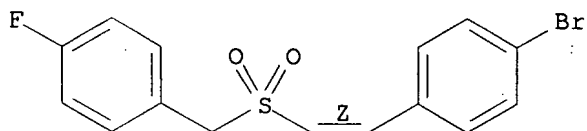
Double bond geometry as shown.



RN 298197-19-0 CAPLUS

CN Benzene, 1-bromo-4-[[[(1Z)-2-[(4-fluorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

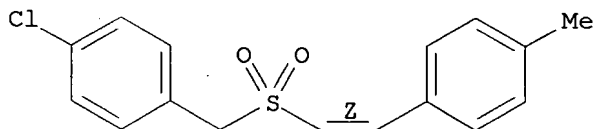
Double bond geometry as shown.



RN 298197-20-3 CAPLUS

CN Benzene, 1-chloro-4-[[[(1Z)-2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

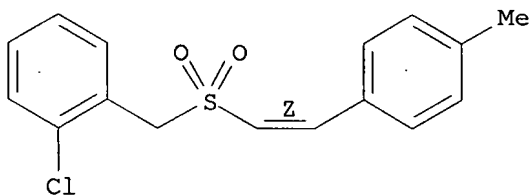
Double bond geometry as shown.



RN 298197-21-4 CAPLUS

CN Benzene, 1-chloro-2-[[[(1Z)-2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

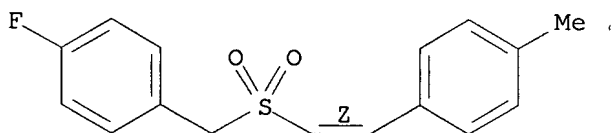
Double bond geometry as shown.



RN 298197-22-5 CAPLUS

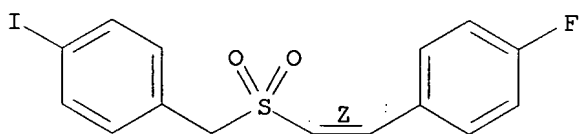
CN Benzene, 1-fluoro-4-[[[(1Z)-2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



IT 298197-23-6
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (Z-styryl sulfone anticancer agents, and preparation)
 RN 298197-23-6 CAPLUS
 CN Benzene, 1-fluoro-4-[(1Z)-2-[[4-(iodophenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 30 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:434551 CAPLUS
 DOCUMENT NUMBER: 139:22117
 TITLE: Preparation of N-[2-(3-quinolylmethanesulfonyl)-1-
 tetrahydrofuran-2-ylethyl]-N-hydroxyformamide for the
 treatment of diseases mediated by soluble CD23
 INVENTOR(S): Best, Desmond John; Bruton, Gordon; Orlek, Barry
 Sidney
 PATENT ASSIGNEE(S): Smithkline Beecham P.L.C., UK
 SOURCE: PCT Int. Appl., 24 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003045938	A1	20030605	WO 2002-EP13264	20021125
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2002365511	A1	20030610	AU 2002-365511	20021125
EP 1448552	A1	20040825	EP 2002-790436	20021125
EP 1448552	B1	20060726		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
JP 2005513036	T	20050512	JP 2003-547388	20021125

AT 334124 T 20060815 AT 2002-790436 20021125
 US 2005085505 A1 20050421 US 2004-496193 20041115
 US 7045626 B2 20060516

PRIORITY APPLN. INFO.: GB 2001-28378 A 20011127
 WO 2002-EP13264 W 20021125

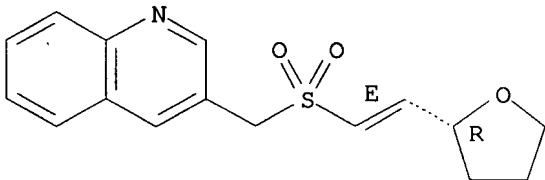
AB N-[2-(3-quinolylmethanesulfonyl)-1-tetrahydrofuran-2-ylethyl]-N-hydroxyformamide and (S)-N-[2-(3-quinolylmethanesulfonyl)-1-(R)-tetrahydrofuran-2-ylethyl]-N-hydroxyformamide-N-[2-(3-Quinolylmethanesulfonyl)-1-(R)-tetrahydrofuran-2-yl]ethylhydroxylamine are claimed. Thus, (E)-2-(3-quinolylmethanesulfonyl)-1-(R)-tetrahydrofuran-2-ylethene (preparation given) in THF was treated with aqueous NH₂OH in water and allowed to stir at rt for 15 min. to give N-[2-(3-quinolylmethanesulfonyl)-1-(R)-tetrahydrofuran-2-yl]ethylhydroxylamine. The latter was treated with HCO₂H and Ac₂O and kept overnight at rt.; the reaction mixture was evaporated, redissolved in MeOH and treated with K₂CO₃ followed by stirring at rt for 30 min. to give (S)-N-[2-(3-quinolylmethanesulfonyl)-1-(R)-tetrahydrofuran-2-ylethyl]-N-hydroxyformamide. The latter in a RPMI 8866 cell membrane CD23 cleavage activity assay showed an IC₅₀ = 0.06 μ M.

IT 537684-29-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of quinolylmethanesulfonyltetrahydrofuranylethylhydroxyformamide for the treatment of diseases mediated by soluble CD23)

RN 537684-29-0 CAPLUS

CN Quinoline, 3-[[[(1E)-2-[(2R)-tetrahydro-2-furanyl]ethenyl]sulfonyl]methyl]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 31 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2002:695716 CAPLUS
 DOCUMENT NUMBER: 137:212986
 TITLE: Method for protecting cells and tissues from ionizing radiation toxicity with α , β unsaturated aryl sulfones
 INVENTOR(S): Reddy, Premkumar E.; Reddy, Ramana M. V.; Cosenza, Stephen C.; Helson, Lawrence
 PATENT ASSIGNEE(S): Temple University of the Commonwealth System of Higher Education, USA; Onconova Therapeutics, Inc.
 SOURCE: PCT Int. Appl., 82 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002069892	A2	20020912	WO 2002-US6107	20020228
WO 2002069892	A3	20021107		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
 UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
 CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 CA 2439288 A1 20020912 CA 2002-2439288 20020228
 US 2003060505 A1 20030327 US 2002-85745 20020228
 US 6667346 B2 20031223
 EP 1370253 A2 20031217 EP 2002-733811 20020228
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 JP 2004525908 T 20040826 JP 2002-569071 20020228
 PRIORITY APPLN. INFO.: US 2001-271990P P 20010228
 WO 2002-US6107 W 20020228

OTHER SOURCE(S): MARPAT 137:212986

AB Pre-treatment with α , β unsatd. aryl sulfones protects normal cells from the toxic side effects of ionizing radiation. Administration of a radioprotective α , β unsatd. aryl sulfone compound to a patient prior to anticancer radiotherapy reduces the cytotoxic side effects of the radiation on normal cells. The radioprotective effect of the α , β unsatd. aryl sulfone allows the clinician to safely increase the dosage of anticancer radiation. In some instances, amelioration of toxicity following inadvertent radiation exposure may be mitigated with administration of α , β unsatd. arylsulfone. Examples are provided showing that aryl sulfones such as E-4-fluorostyryl-4-chlorobenzylsulfone and E-4-carboxystyryl-4-chlorobenzylsulfone are radioprotective for normal cells (such as fibroblasts) but do not interfere with tumor cell (such as prostate carcinoma) killing by ionizing radiation. In another example, aryl sulfones are used to protect normal hematopoietic progenitor cells during bone marrow purging with ionizing radiation before transplantation in subjects with myelogenous leukemia.

IT 118672-28-9P 158606-44-1P 300699-33-6P
 300699-42-7P 334969-03-8P 334969-29-8P
 334969-61-8P 334970-03-5P 457624-55-4P
 457624-56-5P 457624-57-6P

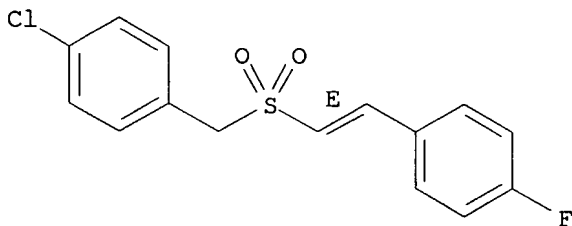
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of unsatd. aryl sulfones as radioprotectants)

RN 118672-28-9 CAPLUS

CN Benzene, 1-chloro-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-(9CI) (CA INDEX NAME)

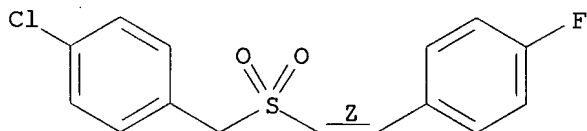
Double bond geometry as shown.



RN 158606-44-1 CAPLUS

CN Benzene, 1-chloro-4-[[[(1Z)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-(9CI) (CA INDEX NAME)

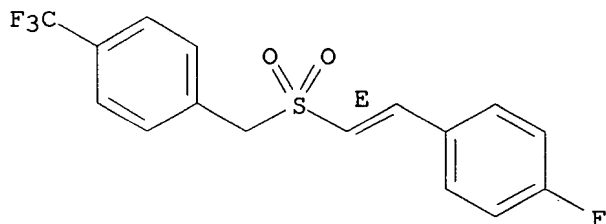
Double bond geometry as shown.



RN 300699-33-6 CAPLUS

CN Benzene, 1-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-4-(trifluoromethyl)- (CA INDEX NAME)

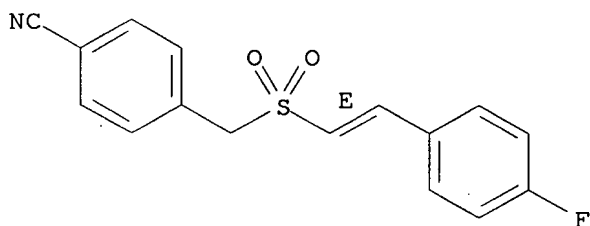
Double bond geometry as shown.



RN 300699-42-7 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

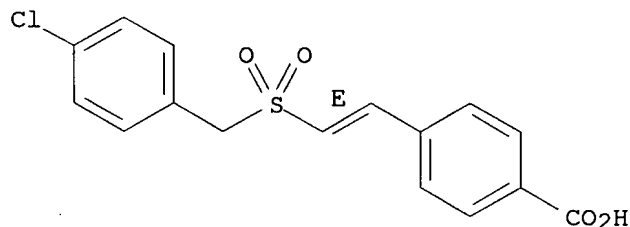
Double bond geometry as shown.



RN 334969-03-8 CAPLUS

CN Benzoic acid, 4-[(1E)-2-[[4-(chlorophenyl)methyl]sulfonyl]ethenyl]- (CA INDEX NAME)

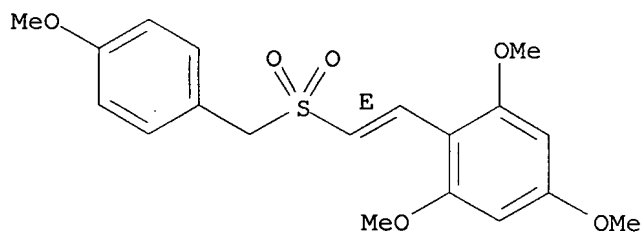
Double bond geometry as shown.



RN 334969-29-8 CAPLUS

CN Benzene, 1,3,5-trimethoxy-2-[(1E)-2-[[4-(methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

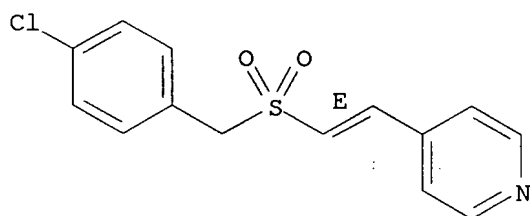
Double bond geometry as shown.



RN 334969-61-8 CAPLUS

CN Pyridine, 4-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]- (CA INDEX NAME)

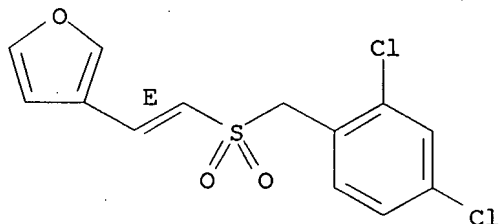
Double bond geometry as shown.



RN 334970-03-5 CAPLUS

CN Furan, 3-[(1E)-2-[[(2,4-dichlorophenyl)methyl]sulfonyl]ethenyl]- (CA INDEX NAME)

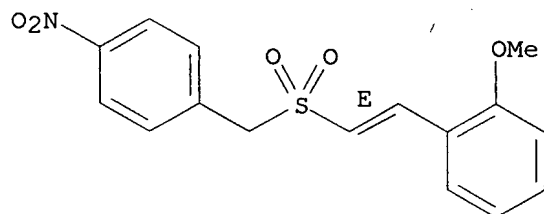
Double bond geometry as shown.



RN 457624-55-4 CAPLUS

CN Benzene, 1-methoxy-2-[(1E)-2-[[(4-nitrophenyl)methyl]sulfonyl]ethenyl]- (CA INDEX NAME)

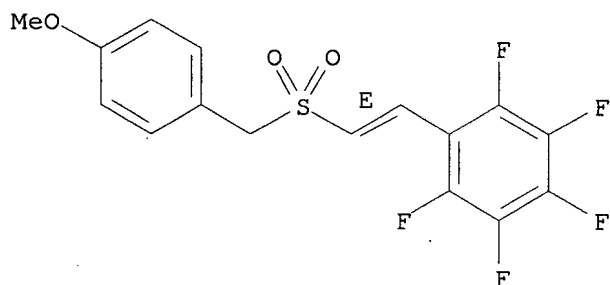
Double bond geometry as shown.



RN 457624-56-5 CAPLUS

CN Benzene, 1,2,3,4,5-pentafluoro-6-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (CA INDEX NAME)

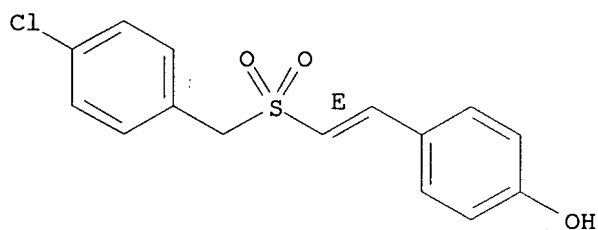
Double bond geometry as shown.



RN 457624-57-6 CAPLUS

CN Phenol, 4-[(1E)-2-[[4-chlorophenyl]methyl]sulfonyl]ethenyl]- (CA INDEX NAME)

Double bond geometry as shown.



IT 32291-81-9P 93468-07-6P 118672-24-5P
 118672-26-7P 118672-29-0P 118672-30-3P
 118672-33-6P 118672-34-7P 136272-35-0P
 136272-42-9P 158606-43-0P 158606-45-2P
 222639-19-2P 222639-21-6P 222639-24-9P
 222639-26-1P 222639-29-4P 222639-31-8P
 222639-33-0P 298197-01-0P 298197-03-2P
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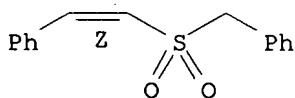
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of unsatd. aryl sulfones as radioprotectants)

RN 32291-81-9 CAPLUS

CN Benzene, [[[1Z]-2-phenylethenyl]sulfonylmethyl]- (9CI) (CA INDEX NAME)

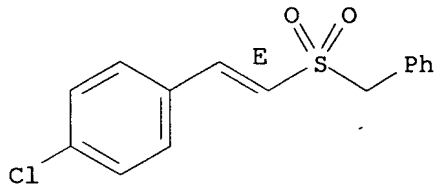
Double bond geometry as shown.



RN 93468-07-6 CAPLUS

CN Benzene, 1-chloro-4-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

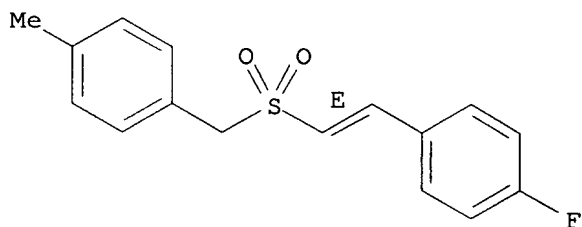
Double bond geometry as shown.



RN 118672-24-5 CAPLUS

CN Benzene, 1-fluoro-4-[(1E)-2-[[4-methylphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

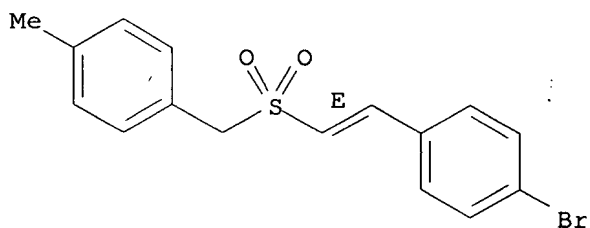
Double bond geometry as shown.



RN 118672-26-7 CAPLUS

CN Benzene, 1-bromo-4-[(1E)-2-[(4-methylphenyl)methylsulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

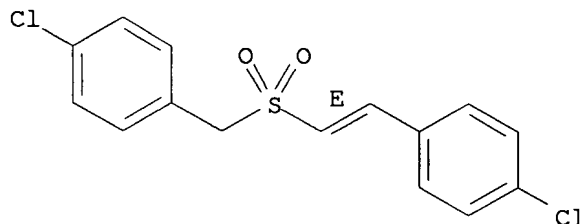
Double bond geometry as shown.



RN 118672-29-0 CAPLUS

CN Benzene, 1-chloro-4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

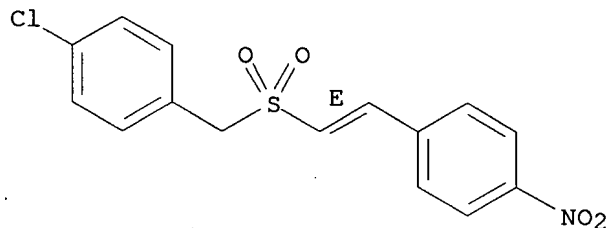
Double bond geometry as shown.



RN 118672-30-3 CAPLUS

CN Benzene, 1-chloro-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.

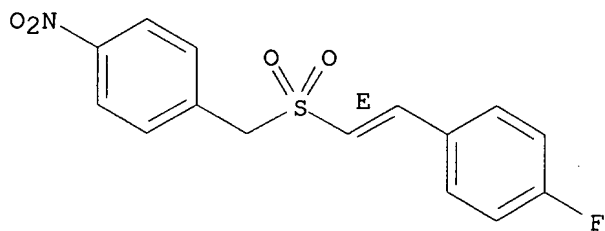


RN 118672-33-6 CAPLUS

CN Benzene, 1-fluoro-4-[(1E)-2-[(4-nitrophenyl)methylsulfonyl]ethenyl]-

(9CI) (CA INDEX NAME)

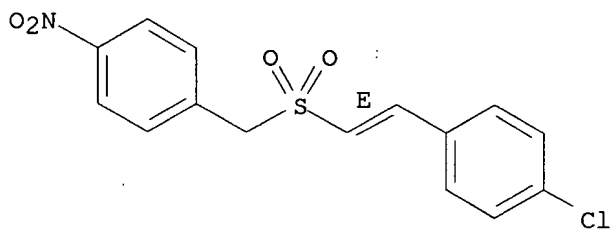
Double bond geometry as shown.



RN 118672-34-7 CAPLUS

CN Benzene, 1-chloro-4-[(1E)-2-[(4-nitrophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

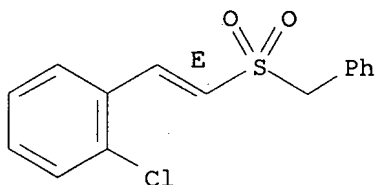
Double bond geometry as shown.



RN 136272-35-0 CAPLUS

CN Benzene, 1-chloro-2-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

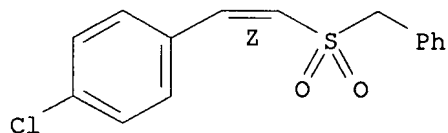
Double bond geometry as shown.



RN 136272-42-9 CAPLUS

CN Benzene, 1-chloro-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

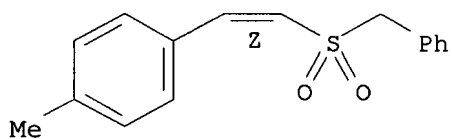
Double bond geometry as shown.



RN 158606-43-0 CAPLUS

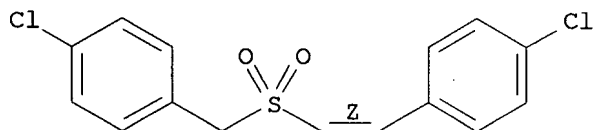
CN Benzene, 1-methyl-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



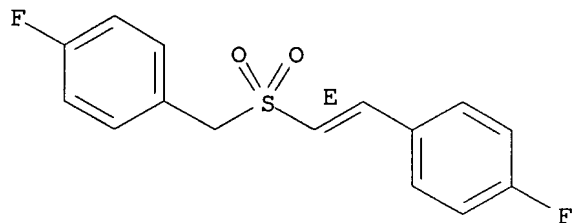
RN 158606-45-2 CAPLUS
 CN Benzene, 1-chloro-4-[[[(1Z)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



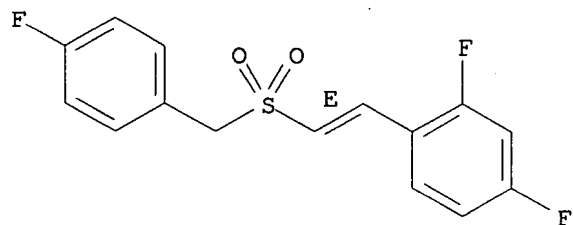
RN 222639-19-2 CAPLUS
 CN Benzene, 1-fluoro-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
 (CA INDEX NAME)

Double bond geometry as shown.



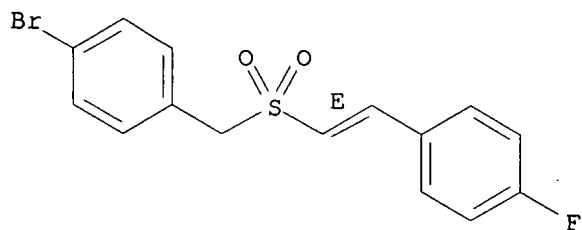
RN 222639-21-6 CAPLUS
 CN Benzene, 2,4-difluoro-1-[(1E)-2-[[4-(4-fluorophenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



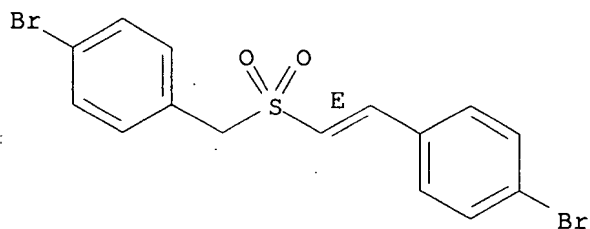
RN 222639-24-9 CAPLUS
 CN Benzene, 1-bromo-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



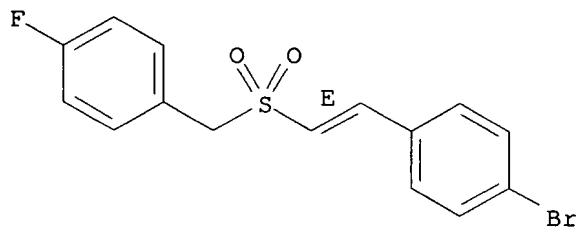
RN 222639-26-1 CAPLUS
 CN Benzene, 1-bromo-4-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



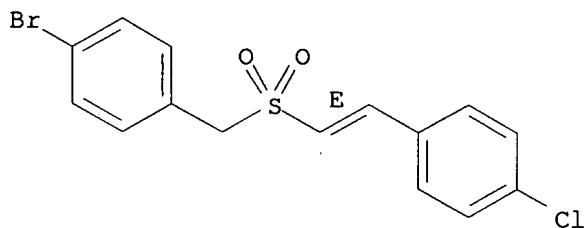
RN 222639-29-4 CAPLUS
 CN Benzene, 1-bromo-4-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



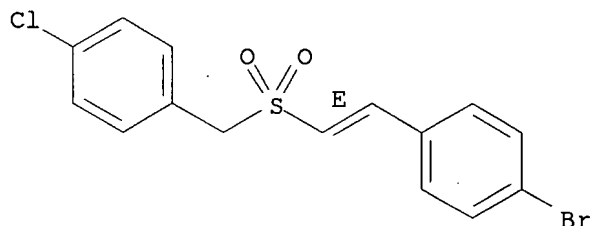
RN 222639-31-8 CAPLUS
 CN Benzene, 1-bromo-4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 222639-33-0 CAPLUS
 CN Benzene, 1-bromo-4-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

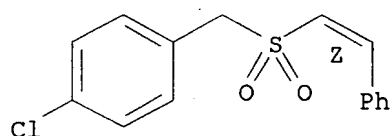
Double bond geometry as shown.



RN 298197-01-0 CAPLUS

CN Benzene, 1-chloro-4-[[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

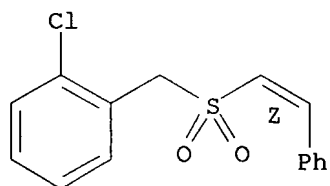
Double bond geometry as shown.



RN 298197-03-2 CAPLUS

CN Benzene, 1-chloro-2-[[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

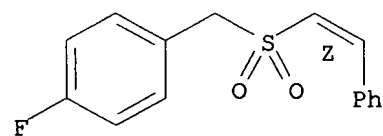
Double bond geometry as shown.



RN 298197-05-4 CAPLUS

CN Benzene, 1-fluoro-4-[[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

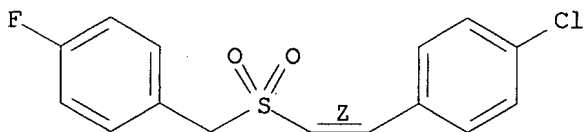
Double bond geometry as shown.



RN 298197-11-2 CAPLUS

CN Benzene, 1-chloro-4-[(1Z)-2-[[4-fluorophenyl]methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

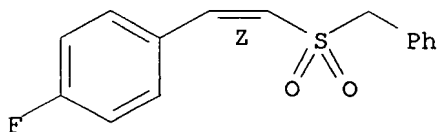
Double bond geometry as shown.



RN 298197-13-4 CAPLUS

CN Benzene, 1-fluoro-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

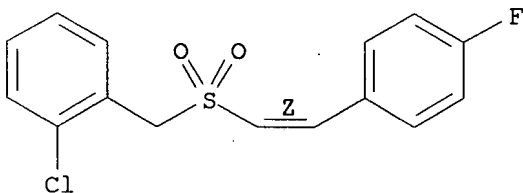
Double bond geometry as shown.



RN 298197-14-5 CAPLUS

CN Benzene, 1-chloro-2-[[[(1Z)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

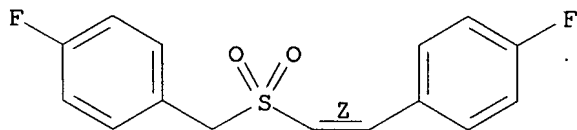
Double bond geometry as shown.



RN 298197-15-6 CAPLUS

CN Benzene, 1-fluoro-4-[[[(1Z)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

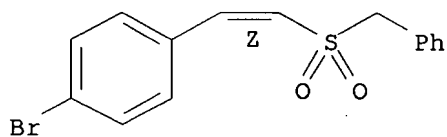
Double bond geometry as shown.



RN 298197-16-7 CAPLUS

CN Benzene, 1-bromo-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

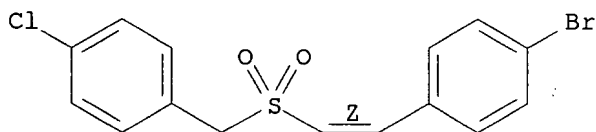
Double bond geometry as shown.



RN 298197-17-8 CAPLUS

CN Benzene, 1-bromo-4-[(1Z)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

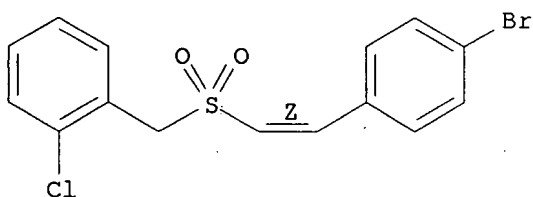
Double bond geometry as shown.



RN 298197-18-9 CAPLUS

CN Benzene, 1-[[[(1Z)-2-(4-bromophenyl)ethenyl]sulfonyl)methyl]-2-chloro-
(9CI) (CA INDEX NAME)

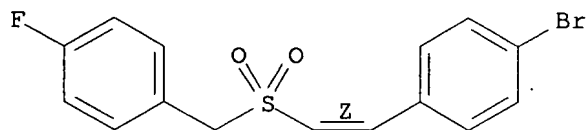
Double bond geometry as shown.



RN 298197-19-0 CAPLUS

CN Benzene, 1-bromo-4-[(1Z)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

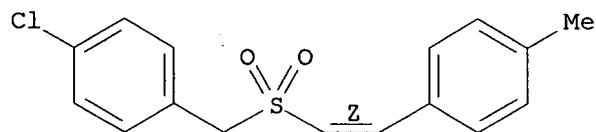
Double bond geometry as shown.



RN 298197-20-3 CAPLUS

CN Benzene, 1-chloro-4-[[[(1Z)-2-(4-methylphenyl)ethenyl]sulfonyl)methyl]-
(9CI) (CA INDEX NAME)

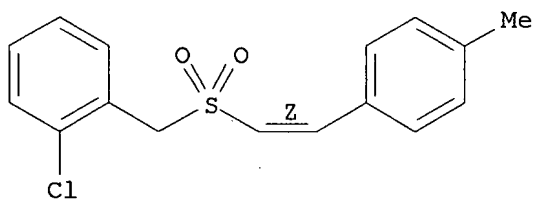
Double bond geometry as shown.



RN 298197-21-4 CAPLUS

CN Benzene, 1-chloro-2-[[[(1Z)-2-(4-methylphenyl)ethenyl]sulfonyl)methyl]-
(9CI) (CA INDEX NAME)

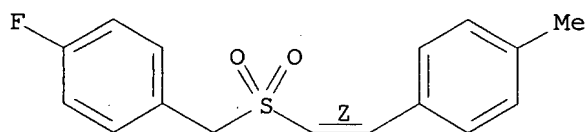
Double bond geometry as shown.



RN 298197-22-5 CAPLUS

CN Benzene, 1-fluoro-4-[[[(1Z)-2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

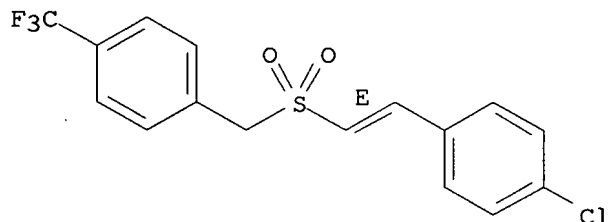
Double bond geometry as shown.



RN 300699-34-7 CAPLUS

CN Benzene, 1-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-4-
(trifluoromethyl)- (9CI) (CA INDEX NAME)

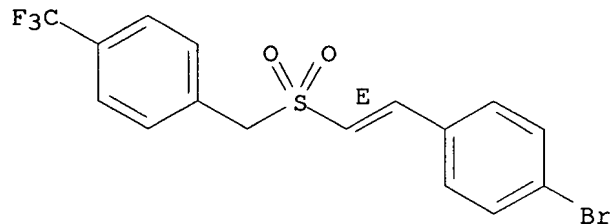
Double bond geometry as shown.



RN 300699-35-8 CAPLUS

CN Benzene, 1-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-4-
(trifluoromethyl)- (9CI) (CA INDEX NAME)

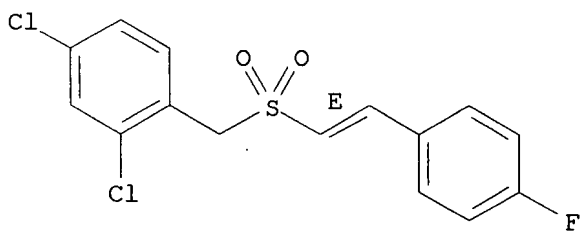
Double bond geometry as shown.



RN 300699-36-9 CAPLUS

CN Benzene, 2,4-dichloro-1-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

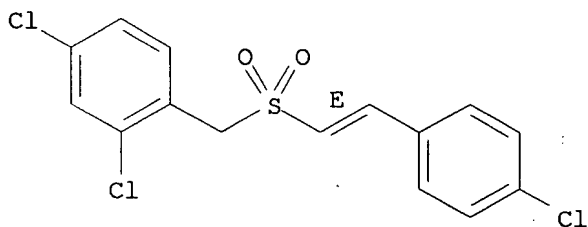
Double bond geometry as shown.



RN 300699-37-0 CAPLUS

CN Benzene, 2,4-dichloro-1-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

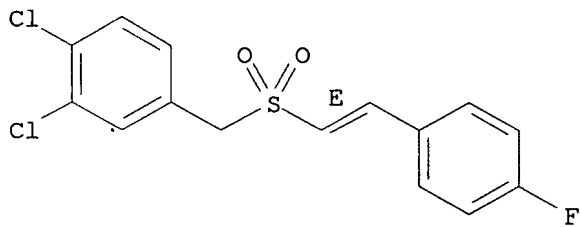
Double bond geometry as shown.



RN 300699-39-2 CAPLUS

CN Benzene, 1,2-dichloro-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

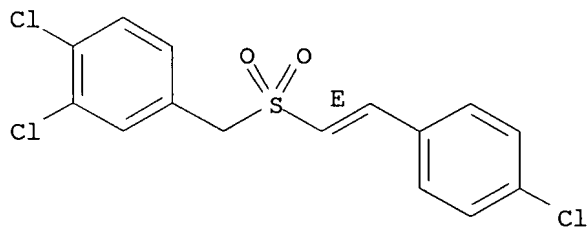
Double bond geometry as shown.



RN 300699-40-5 CAPLUS

CN Benzene, 1,2-dichloro-4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

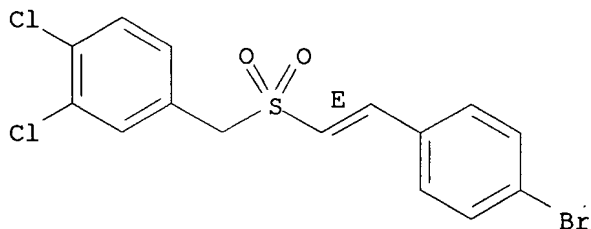
Double bond geometry as shown.



RN 300699-41-6 CAPLUS

CN Benzene, 4-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-1,2-dichloro-
(9CI) (CA INDEX NAME)

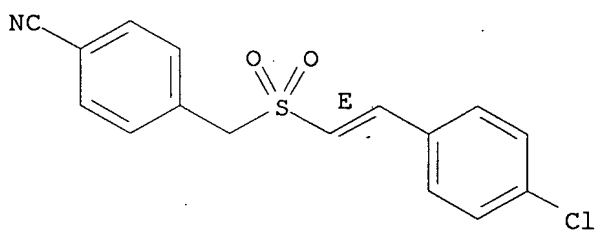
Double bond geometry as shown.



RN 300699-43-8 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

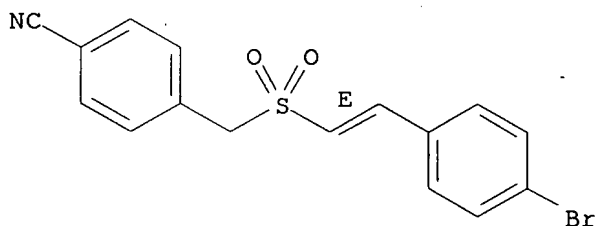
Double bond geometry as shown.



RN 300699-44-9 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

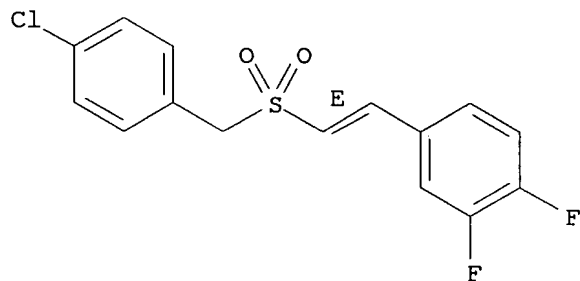
Double bond geometry as shown.



RN 300699-45-0 CAPLUS

CN Benzene, 4-[(1E)-2-[[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-1,2-difluoro- (9CI) (CA INDEX NAME)

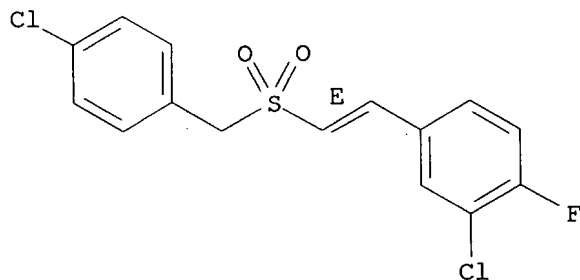
Double bond geometry as shown.



RN 300699-46-1 CAPLUS

CN Benzene, 2-chloro-4-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-1-fluoro- (9CI) (CA INDEX NAME)

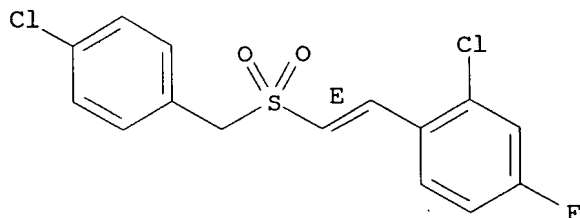
Double bond geometry as shown.



RN 300699-47-2 CAPLUS

CN Benzene, 2-chloro-1-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-4-fluoro- (9CI) (CA INDEX NAME)

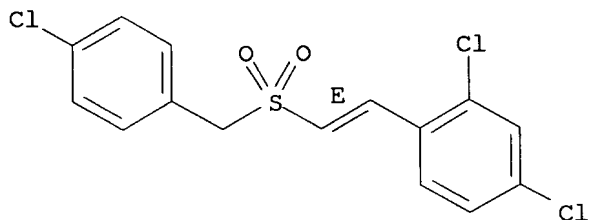
Double bond geometry as shown.



RN 300699-48-3 CAPLUS

CN Benzene, 2,4-dichloro-1-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

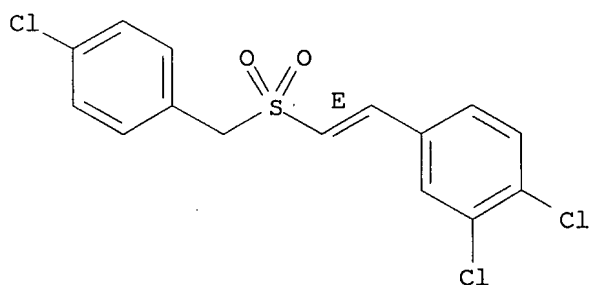
Double bond geometry as shown.



RN 300699-49-4 CAPLUS

CN Benzene, 1,2-dichloro-4-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

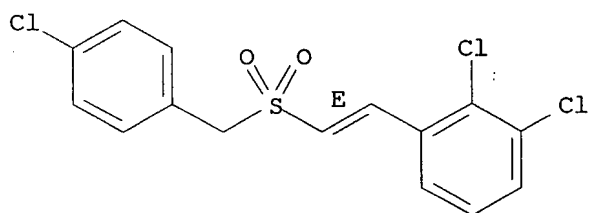
Double bond geometry as shown.



RN 300699-50-7 CAPLUS

CN Benzene, 1,2-dichloro-3-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

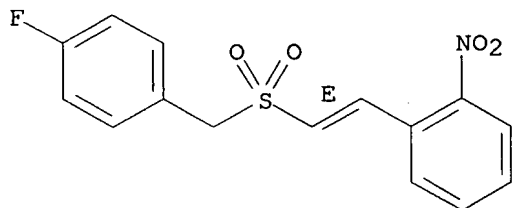
Double bond geometry as shown.



RN 300699-62-1 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-2-nitro-
(9CI) (CA INDEX NAME)

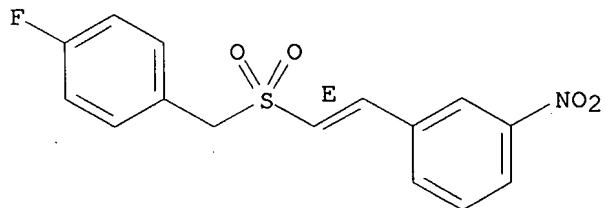
Double bond geometry as shown.



RN 300699-63-2 CAPLUS

CN Benzene, 1-fluoro-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.

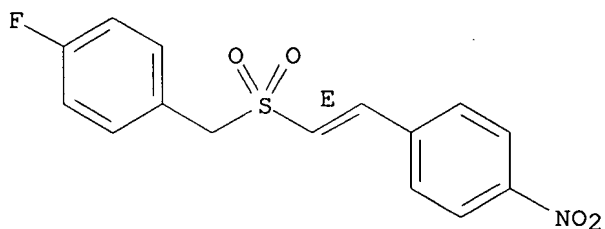


RN 300699-64-3 CAPLUS

CN Benzene, 1-fluoro-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-

(9CI) (CA INDEX NAME)

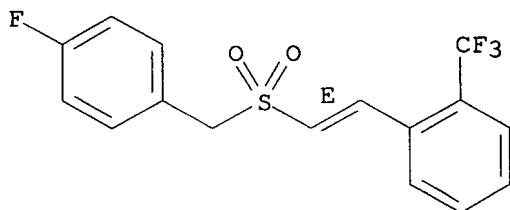
Double bond geometry as shown.



RN 300699-67-6 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

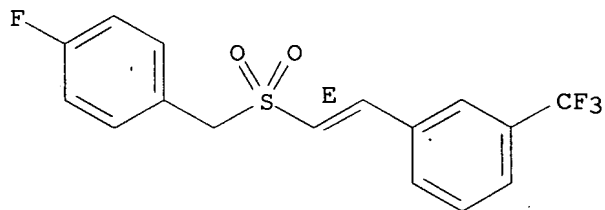
Double bond geometry as shown.



RN 300699-68-7 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

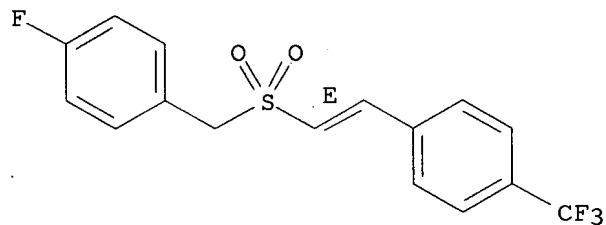
Double bond geometry as shown.



RN 300699-70-1 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

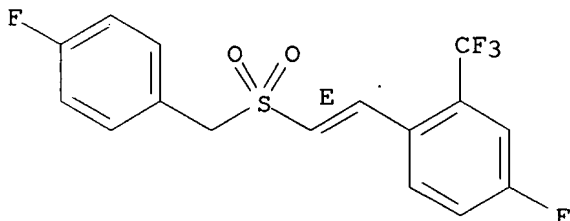
Double bond geometry as shown.



RN 300699-71-2 CAPLUS

CN Benzene, 4-fluoro-1-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

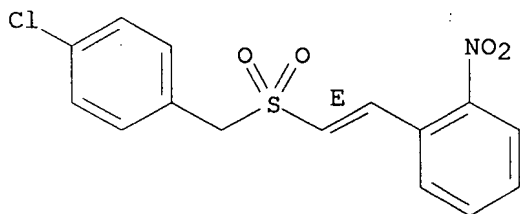
Double bond geometry as shown.



RN 300699-72-3 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-2-nitro- (9CI) (CA INDEX NAME)

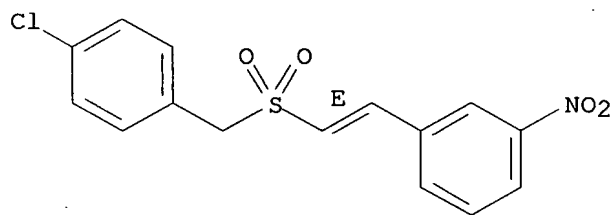
Double bond geometry as shown.



RN 300699-73-4 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-3-nitro- (9CI) (CA INDEX NAME)

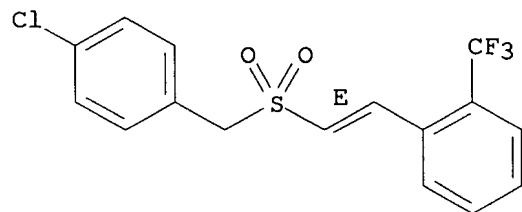
Double bond geometry as shown.



RN 300699-74-5 CAPLUS

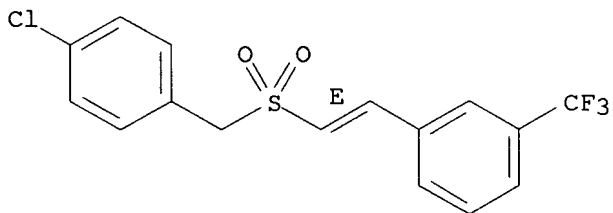
CN Benzene, 1-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



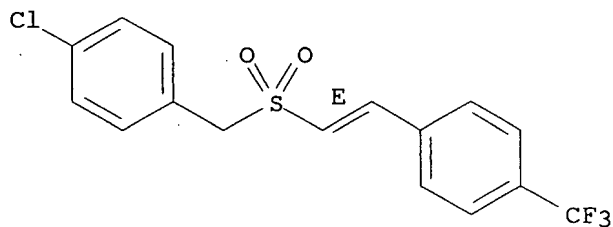
RN 300699-75-6 CAPLUS
CN Benzene, 1-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



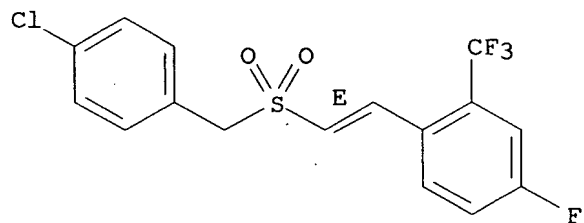
RN 300699-76-7 CAPLUS
CN Benzene, 1-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



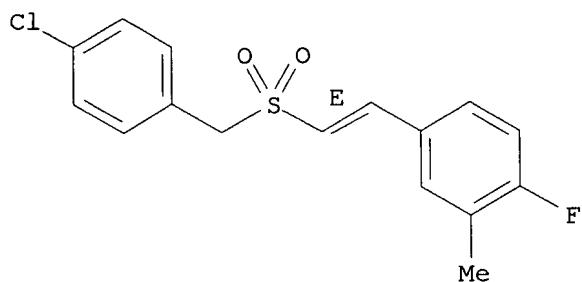
RN 300699-77-8 CAPLUS
CN Benzene, 1-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-4-fluoro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



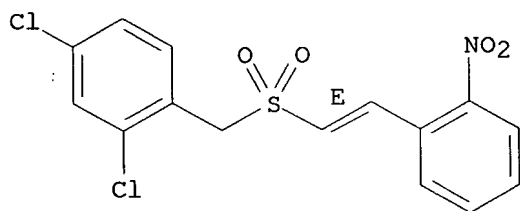
RN 300699-78-9 CAPLUS
CN Benzene, 4-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-1-fluoro-2-methyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



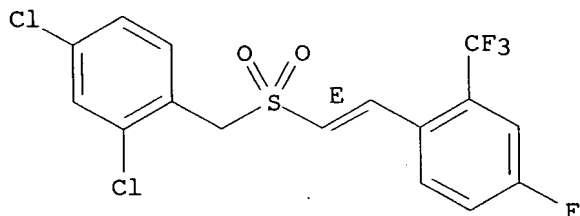
RN 300699-79-0 CAPLUS
 CN Benzene, 2,4-dichloro-1-[[[(1E)-2-(2-nitrophenyl)ethenyl]sulfonyl]methyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



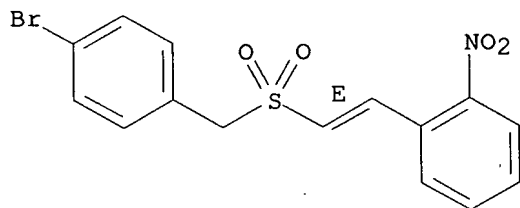
RN 300699-80-3 CAPLUS
 CN Benzene, 2,4-dichloro-1-[[[(1E)-2-[4-fluoro-2-(trifluoromethyl)phenyl]ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 300699-81-4 CAPLUS
 CN Benzene, 1-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-2-nitro-
 (9CI) (CA INDEX NAME)

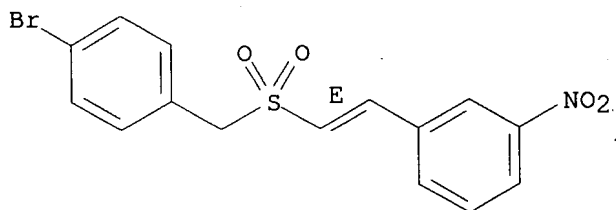
Double bond geometry as shown.



RN 300699-82-5 CAPLUS
 CN Benzene, 1-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-3-nitro-

(9CI) (CA INDEX NAME)

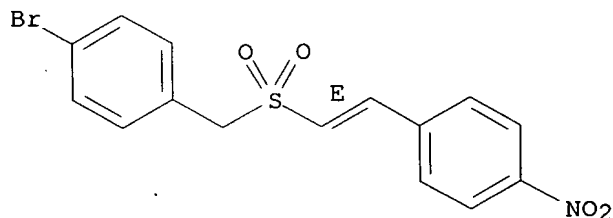
Double bond geometry as shown.



RN 300699-83-6 CAPLUS

CN Benzene, 1-bromo-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

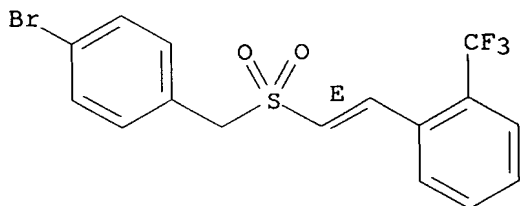
Double bond geometry as shown.



RN 300699-85-8 CAPLUS

CN Benzene, 1-[(1E)-2-[[[(4-bromophenyl)methyl]sulfonyl]ethenyl]-2-
(trifluoromethyl)- (9CI) (CA INDEX NAME)

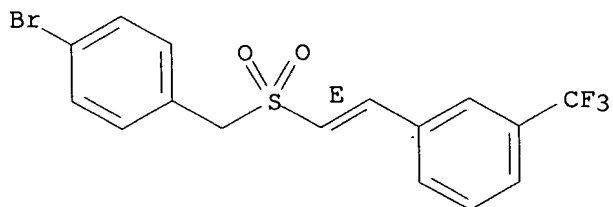
Double bond geometry as shown.



RN 300699-86-9 CAPLUS

CN Benzene, 1-[(1E)-2-[[[(4-bromophenyl)methyl]sulfonyl]ethenyl]-3-
(trifluoromethyl)- (9CI) (CA INDEX NAME)

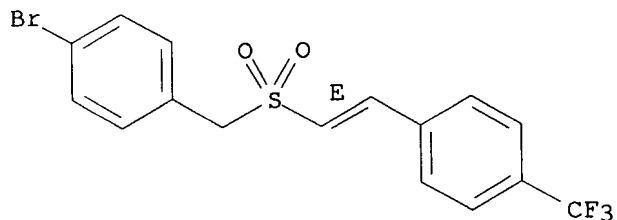
Double bond geometry as shown.



RN 300699-87-0 CAPLUS

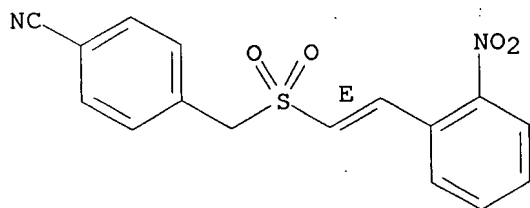
CN Benzene, 1-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



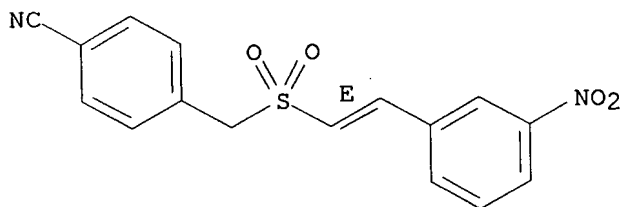
RN 300699-88-1 CAPLUS
CN Benzonitrile, 4-[[[(1E)-2-(2-nitrophenyl)ethenyl]sulfonyl)methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



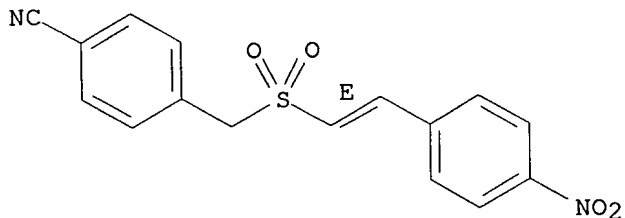
RN 300699-89-2 CAPLUS
CN Benzonitrile, 4-[[[(1E)-2-(3-nitrophenyl)ethenyl]sulfonyl)methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



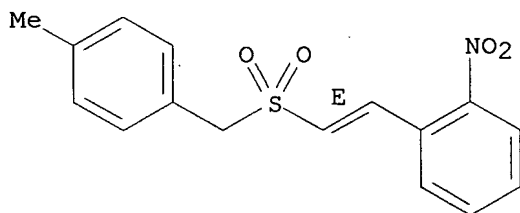
RN 300699-90-5 CAPLUS
CN Benzonitrile, 4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl)methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



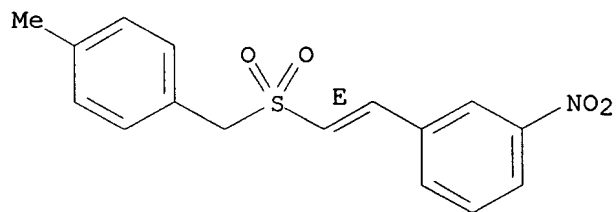
RN 300699-91-6 CAPLUS
CN Benzene, 1-[(1E)-2-[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-2-nitro-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



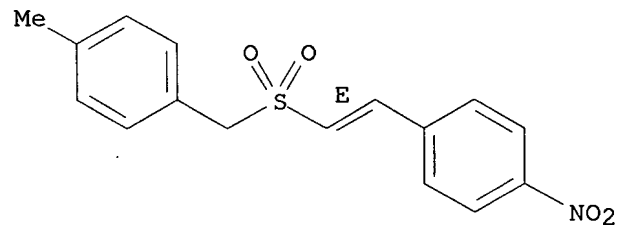
RN 300699-92-7 CAPLUS
CN Benzene, 1-[(1E)-2-[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-3-nitro-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



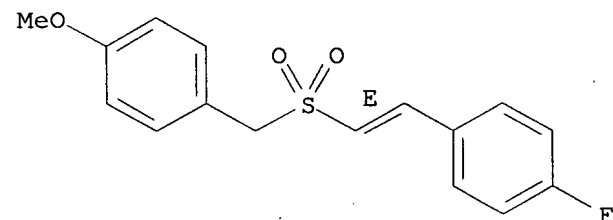
RN 300699-93-8 CAPLUS
CN Benzene, 1-methyl-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



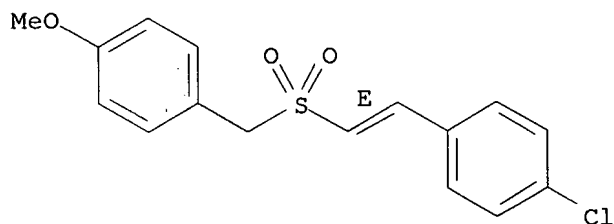
RN 300699-94-9 CAPLUS
CN Benzene, 1-fluoro-4-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



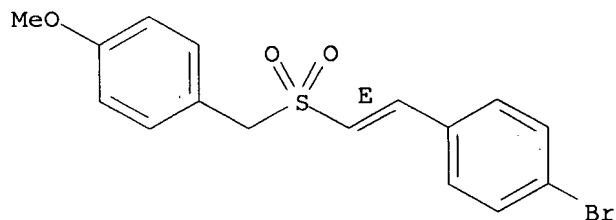
RN 300699-95-0 CAPLUS
CN Benzene, 1-chloro-4-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



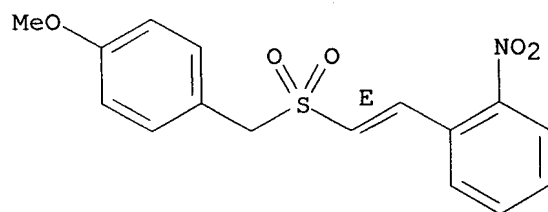
RN 300699-96-1 CAPLUS
CN Benzene, 1-bromo-4-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



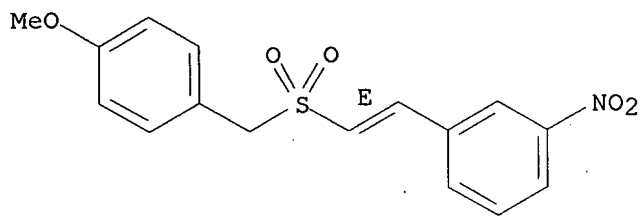
RN 300699-98-3 CAPLUS
CN Benzene, 1-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-2-nitro-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 300699-99-4 CAPLUS
CN Benzene, 1-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-3-nitro-
(9CI) (CA INDEX NAME)

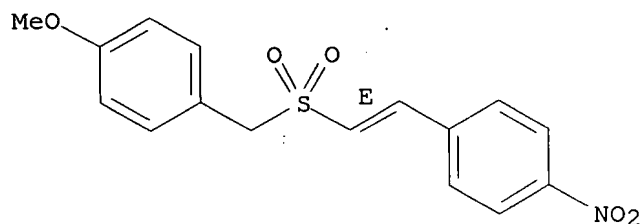
Double bond geometry as shown.



RN 300700-00-9 CAPLUS

CN Benzene, 1-methoxy-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

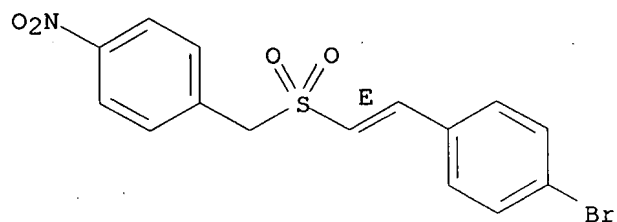
Double bond geometry as shown.



RN 334969-04-9 CAPLUS

CN Benzene, 1-bromo-4-[(1E)-2-[[[(4-nitrophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

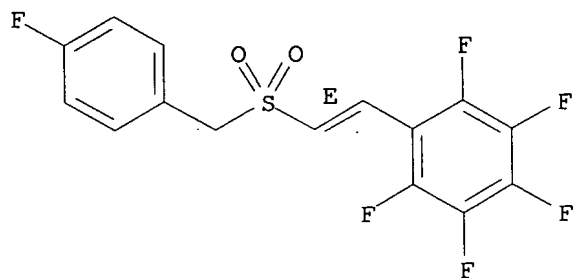
Double bond geometry as shown.



RN 334969-19-6 CAPLUS

CN Benzene, pentafluoro[(1E)-2-[[[(4-fluorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.

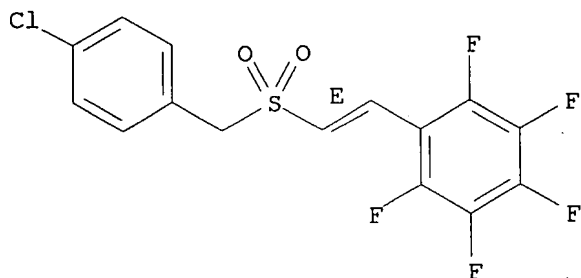


RN 334969-20-9 CAPLUS

CN Benzene, [(1E)-2-[[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]pentafluoro-

(9CI) (CA INDEX NAME)

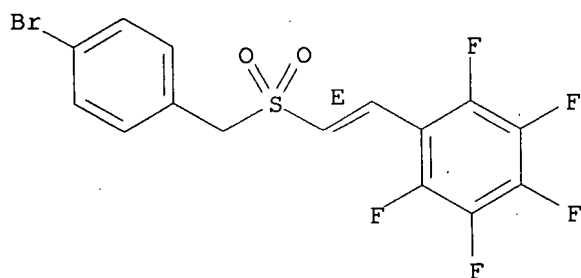
Double bond geometry as shown.



RN 334969-21-0 CAPLUS

CN Benzene, [(1E)-2-[(4-bromophenyl)methylsulfonyl]ethenyl]pentafluoro-
(9CI) (CA INDEX NAME)

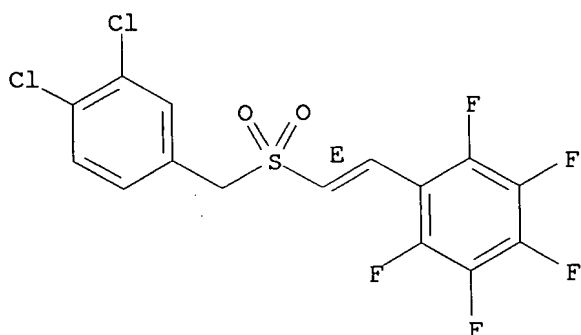
Double bond geometry as shown.



RN 334969-22-1 CAPLUS

CN Benzene, [(1E)-2-[(3,4-dichlorophenyl)methylsulfonyl]ethenyl]pentafluoro-
(9CI) (CA INDEX NAME)

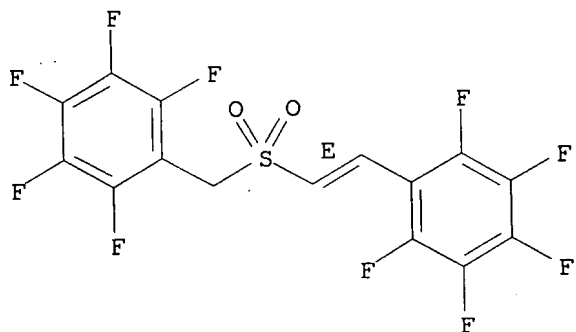
Double bond geometry as shown.



RN 334969-23-2 CAPLUS

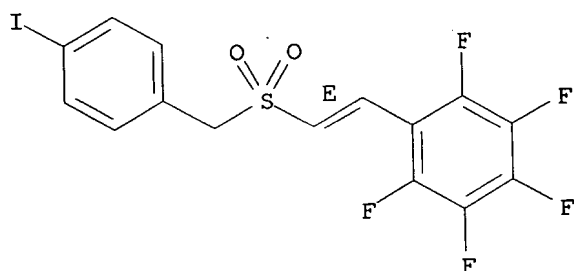
CN Benzene, pentafluoro[[(1E)-2-(pentafluorophenyl)ethenylsulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



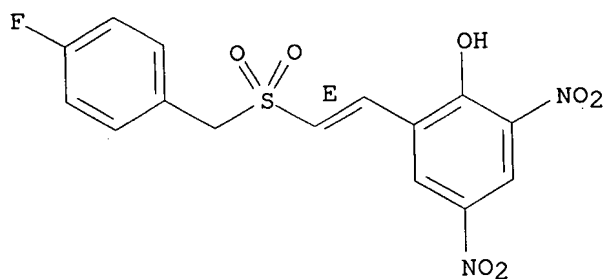
RN 334969-24-3 CAPLUS
 CN Benzene, pentafluoro[(1E)-2-[[4-iodophenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



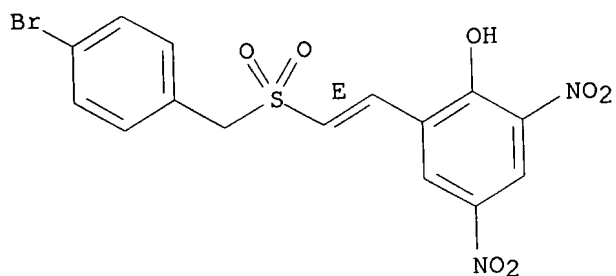
RN 334969-25-4 CAPLUS
 CN Phenol, 2-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-4,6-dinitro-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



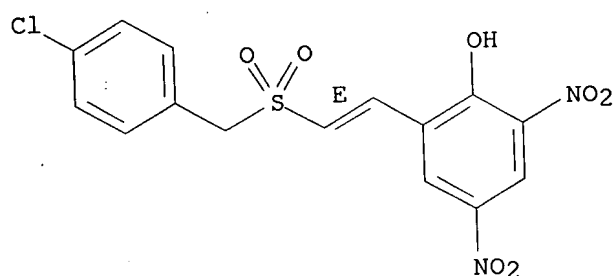
RN 334969-26-5 CAPLUS
 CN Phenol, 2-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]-4,6-dinitro-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



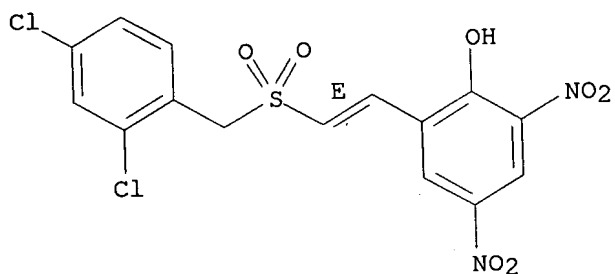
RN 334969-27-6 CAPLUS
 CN Phenol, 2-[(1E)-2-[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-4,6-dinitro-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



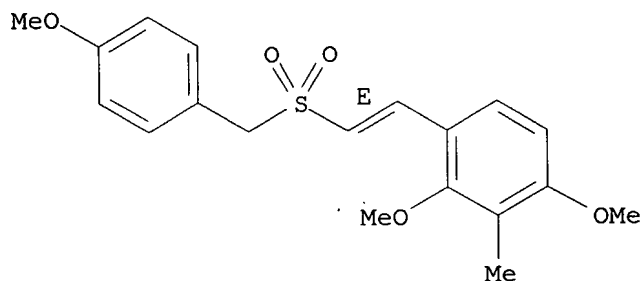
RN 334969-28-7 CAPLUS
 CN Phenol, 2-[(1E)-2-[(2,4-dichlorophenyl)methyl]sulfonyl]ethenyl]-4,6-
 dinitro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



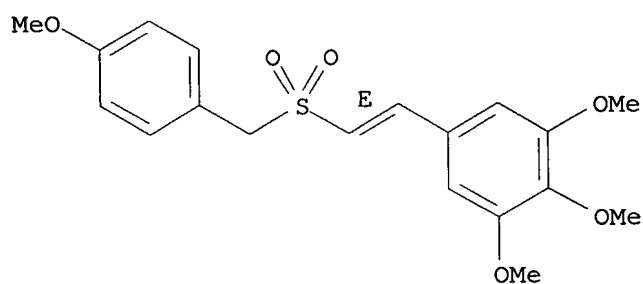
RN 334969-30-1 CAPLUS
 CN Benzene, 1,3-dimethoxy-4-[(1E)-2-[(4-methoxyphenyl)methyl]sulfonyl]etheny
 l]-2-methyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



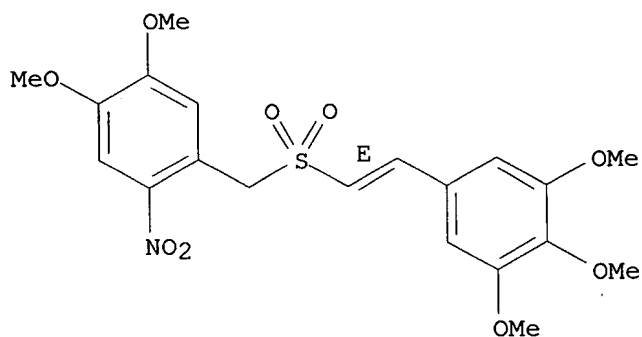
RN 334969-31-2 CAPLUS
 CN Benzene, 1,2,3-trimethoxy-5-[(1E)-2-[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



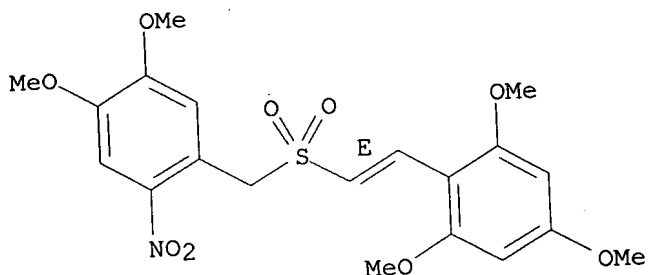
RN 334969-32-3 CAPLUS
 CN Benzene, 5-[(1E)-2-[(4,5-dimethoxy-2-nitrophenyl)methyl]sulfonyl]ethenyl]-1,2,3-trimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



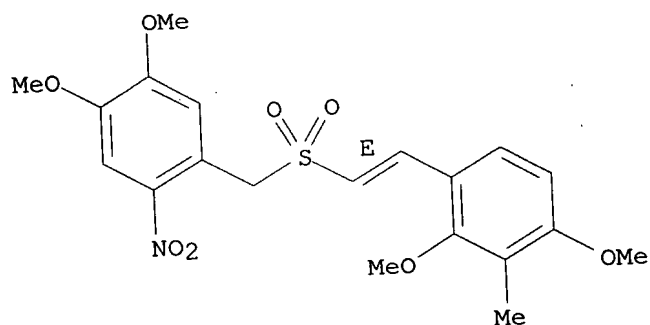
RN 334969-33-4 CAPLUS
 CN Benzene, 2-[(1E)-2-[(4,5-dimethoxy-2-nitrophenyl)methyl]sulfonyl]ethenyl]-1,3,5-trimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



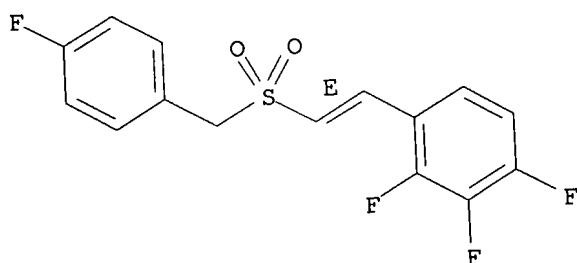
RN 334969-34-5 CAPLUS
 CN Benzene, 1-[(1E)-2-[[[4,5-dimethoxy-2-nitrophenyl)methyl]sulfonyl]ethenyl]-
 2,4-dimethoxy-3-methyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



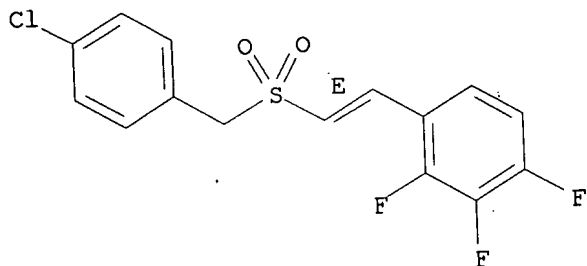
RN 334969-35-6 CAPLUS
 CN Benzene, 1,2,3-trifluoro-4-[(1E)-2-[[[4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



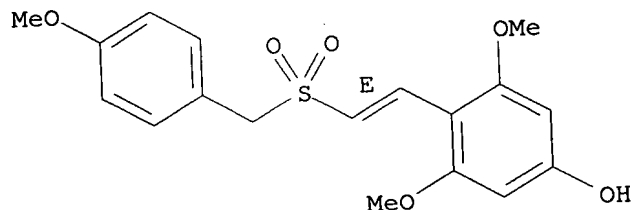
RN 334969-36-7 CAPLUS
 CN Benzene, 1-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-2,3,4-trifluoro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



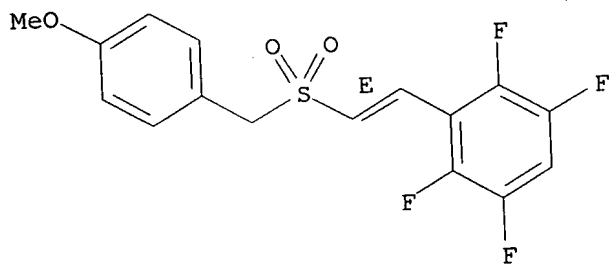
RN 334969-37-8 CAPLUS
 CN Phenol, 3,5-dimethoxy-4-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl
]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



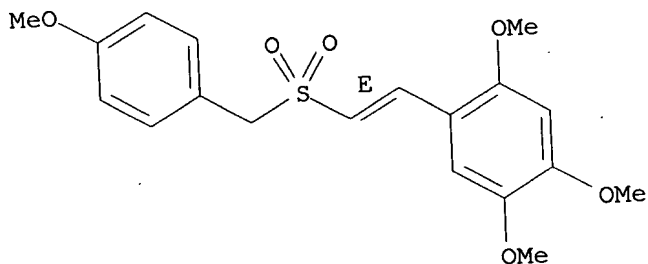
RN 334969-38-9 CAPLUS
 CN Benzene, 1,2,4,5-tetrafluoro-3-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]
 ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



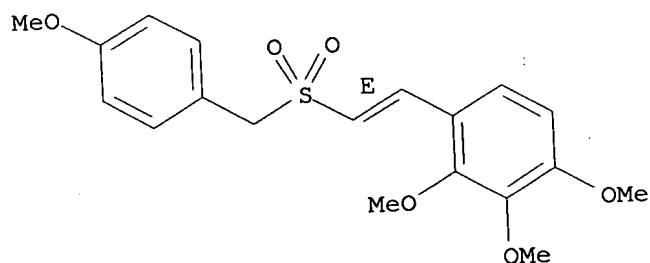
RN 334969-39-0 CAPLUS
 CN Benzene, 1,2,4-trimethoxy-5-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]eth
 enyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



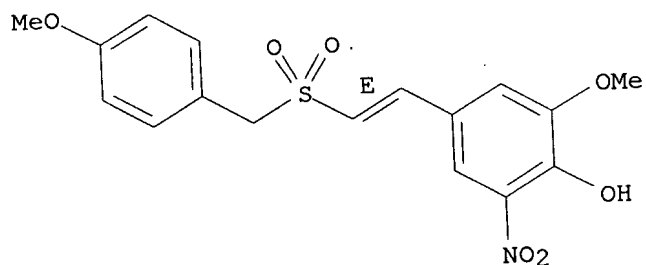
RN 334969-40-3 CAPLUS
 CN Benzene, 1,2,3-trimethoxy-4-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



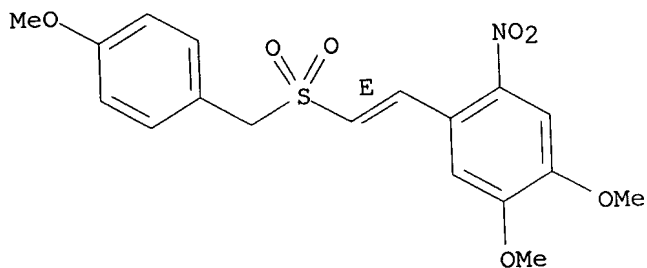
RN 334969-41-4 CAPLUS
 CN Phenol, 2-methoxy-4-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]-6-nitro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



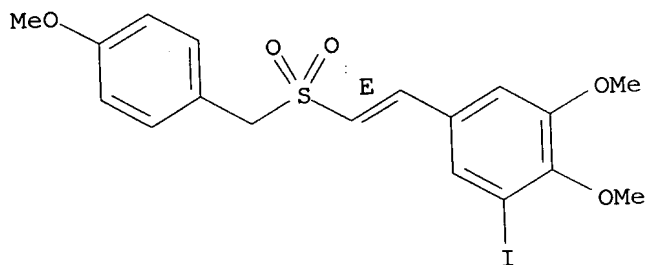
RN 334969-42-5 CAPLUS
 CN Benzene, 1,2-dimethoxy-4-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]-5-nitro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



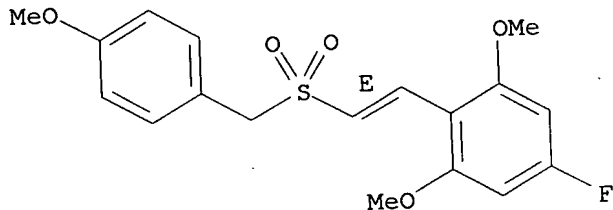
RN 334969-43-6 CAPLUS
 CN Benzene, 1-iodo-2,3-dimethoxy-5-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]
]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



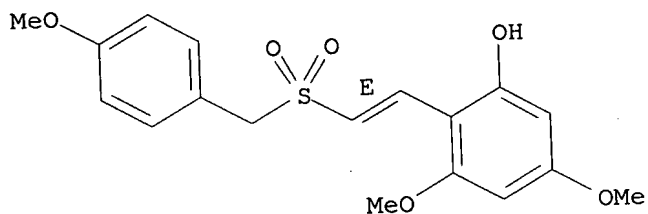
RN 334969-44-7 CAPLUS
 CN Benzene, 5-fluoro-1,3-dimethoxy-2-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



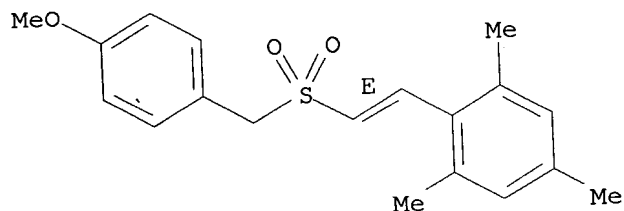
RN 334969-45-8 CAPLUS
 CN Phenol, 3,5-dimethoxy-2-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



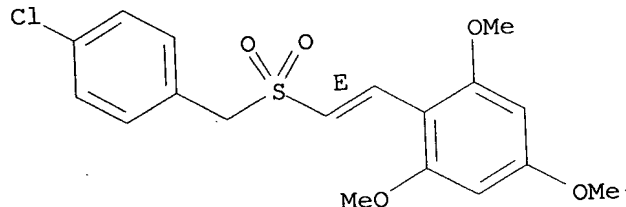
RN 334969-46-9 CAPLUS
CN Benzene, 2-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]-1,3,5-trimethyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



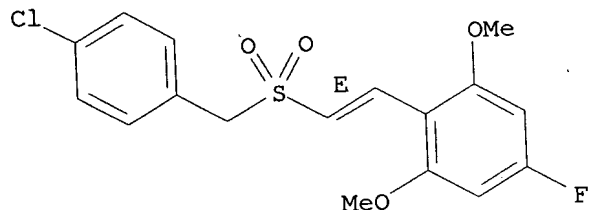
RN 334969-47-0 CAPLUS
CN Benzene, 2-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-1,3,5-trimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



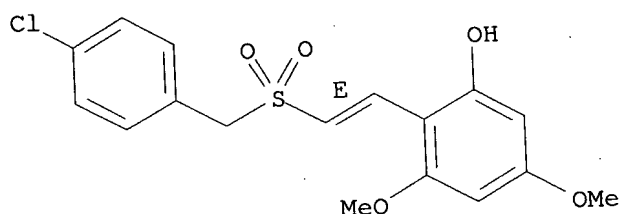
RN 334969-48-1 CAPLUS
CN Benzene, 2-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-5-fluoro-1,3-dimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



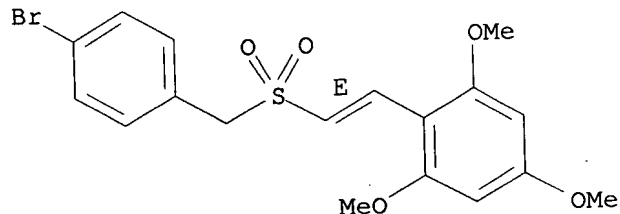
RN 334969-49-2 CAPLUS
CN Phenol, 2-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-3,5-dimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



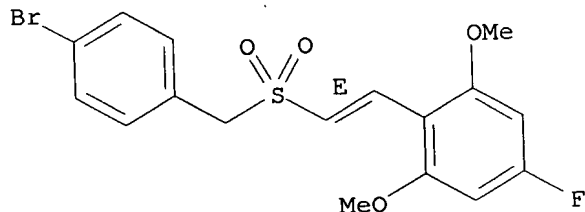
RN 334969-50-5 CAPLUS
CN Benzene, 2-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-1,3,5-trimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



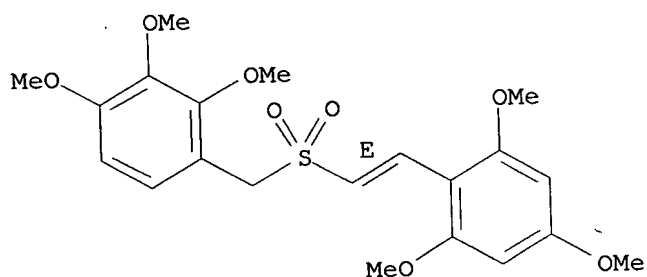
RN 334969-51-6 CAPLUS
CN Benzene, 2-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-5-fluoro-1,3-dimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



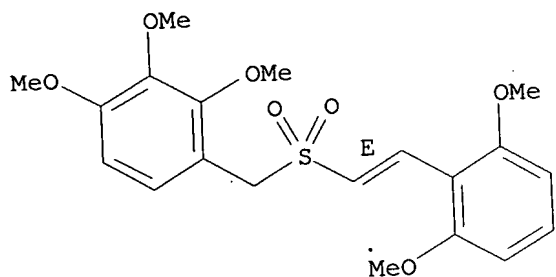
RN 334969-52-7 CAPLUS
CN Benzene, 1,2,3-trimethoxy-4-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



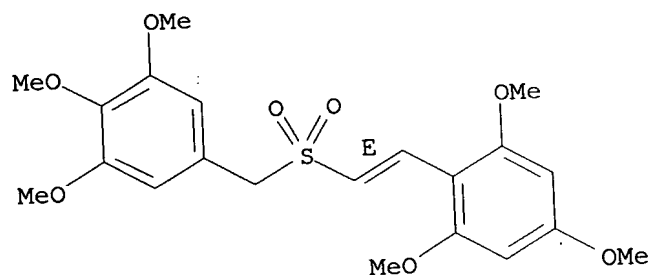
RN 334969-53-8 CAPLUS
CN Benzene, 1-[[[(1E)-2-(2,6-dimethoxyphenyl)ethenyl]sulfonyl]methyl]-2,3,4-trimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



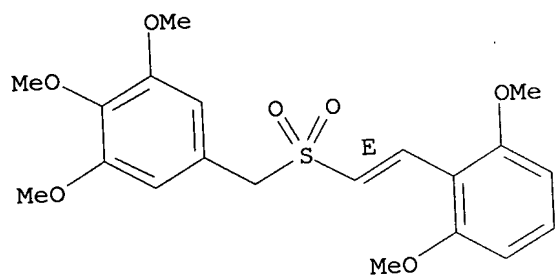
RN 334969-54-9 CAPLUS
 CN Benzene, 1,2,3-trimethoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



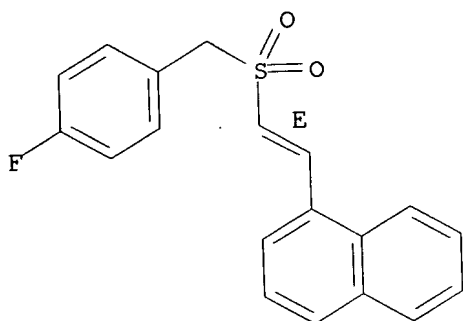
RN 334969-55-0 CAPLUS
 CN Benzene, 5-[[[(1E)-2-(2,6-dimethoxyphenyl)ethenyl]sulfonyl]methyl]-1,2,3-trimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



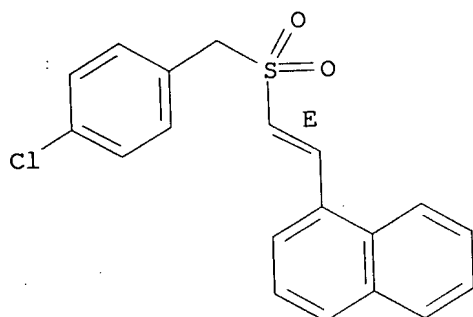
RN 334970-14-8 CAPLUS
 CN Naphthalene, 1-[[[(1E)-2-[[4-(4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



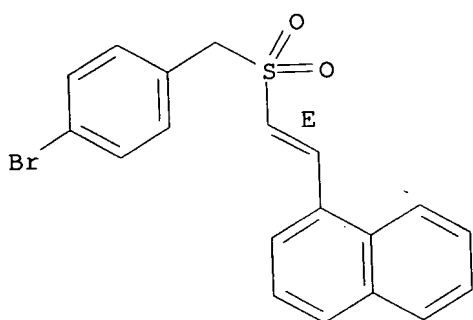
RN 334970-16-0 CAPLUS
 CN Naphthalene, 1-[(1E)-2-[[4-chlorophenyl]methyl]sulfonyl]ethenyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



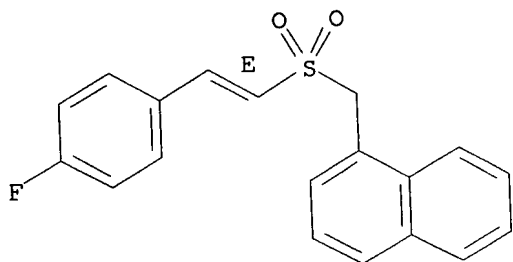
RN 334970-18-2 CAPLUS
 CN Naphthalene, 1-[(1E)-2-[[4-bromophenyl]methyl]sulfonyl]ethenyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



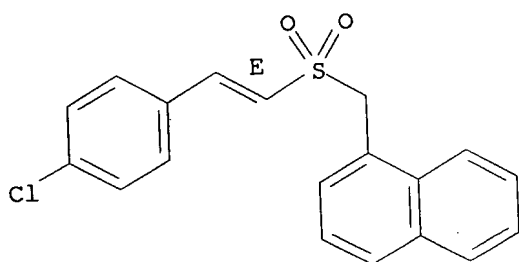
RN 334970-20-6 CAPLUS
 CN Naphthalene, 1-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



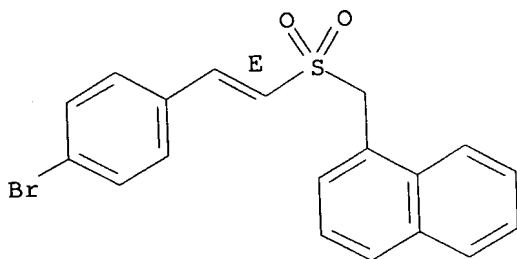
RN 334970-21-7 CAPLUS
 CN Naphthalene, 1-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



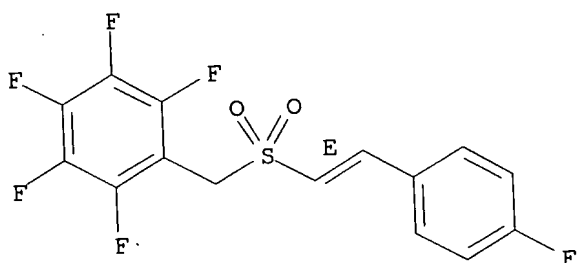
RN 334970-22-8 CAPLUS
 CN Naphthalene, 1-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



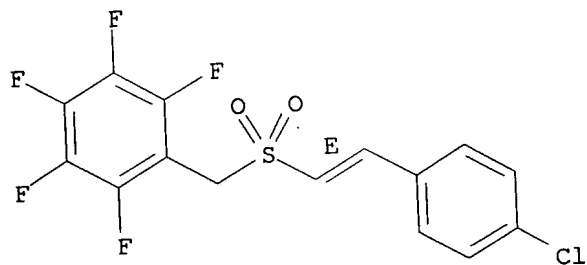
RN 366807-70-7 CAPLUS
 CN Benzene, pentafluoro[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



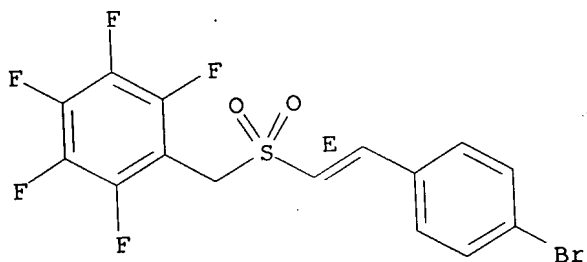
RN 366807-72-9 CAPLUS
CN Benzene, [[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]pentafluoro-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



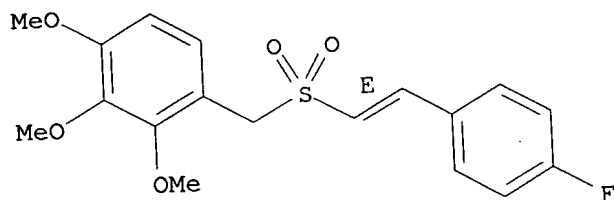
RN 366807-74-1 CAPLUS
CN Benzene, [[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]pentafluoro-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



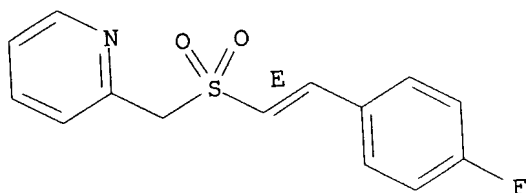
RN 366807-77-4 CAPLUS
CN Benzene, 1-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-2,3,4-trimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



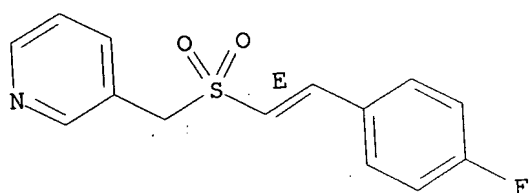
RN 457623-80-2 CAPLUS
CN Pyridine, 2-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



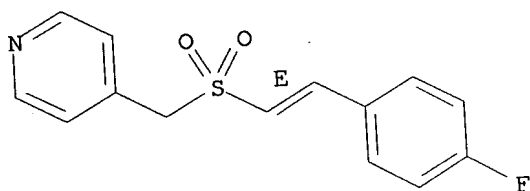
RN 457623-81-3 CAPLUS
 CN Pyridine, 3-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



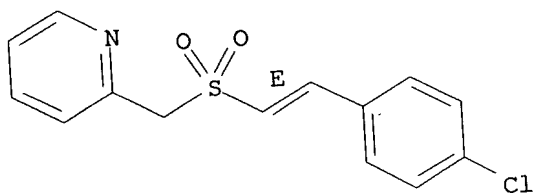
RN 457623-82-4 CAPLUS
 CN Pyridine, 4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



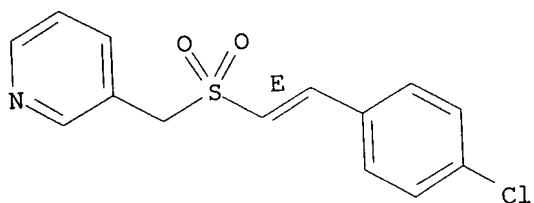
RN 457623-83-5 CAPLUS
 CN Pyridine, 2-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



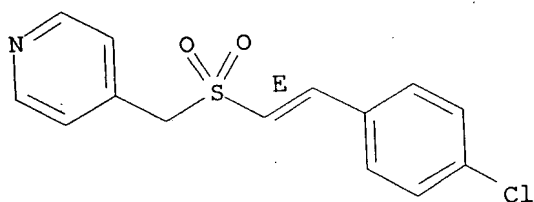
RN 457623-84-6 CAPLUS
 CN Pyridine, 3-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



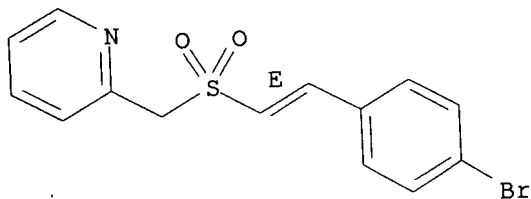
RN 457623-85-7 CAPLUS
CN Pyridine, 4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
INDEX NAME)

Double bond geometry as shown.



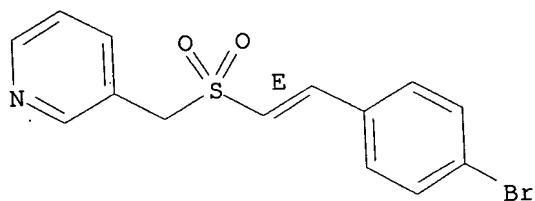
RN 457623-86-8 CAPLUS
CN Pyridine, 2-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
INDEX NAME)

Double bond geometry as shown.



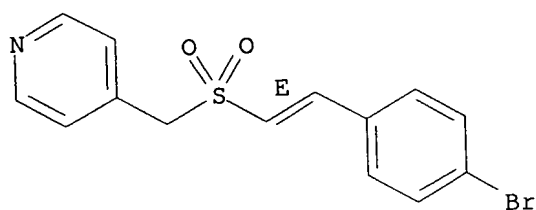
RN 457623-87-9 CAPLUS
CN Pyridine, 3-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
INDEX NAME)

Double bond geometry as shown.



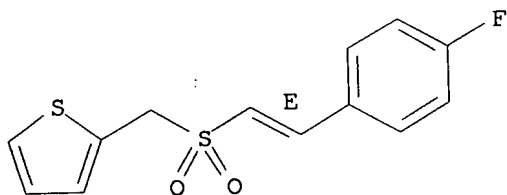
RN 457623-88-0 CAPLUS
CN Pyridine, 4-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
INDEX NAME)

Double bond geometry as shown.



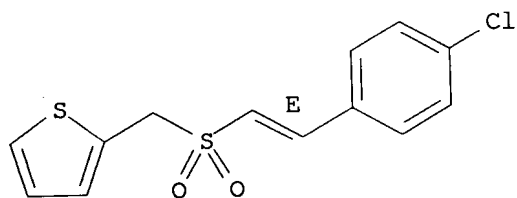
RN 457623-89-1 CAPLUS
CN Thiophene, 2-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



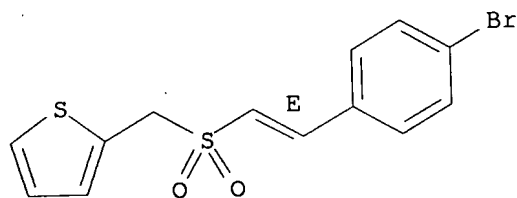
RN 457623-90-4 CAPLUS
CN Thiophene, 2-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



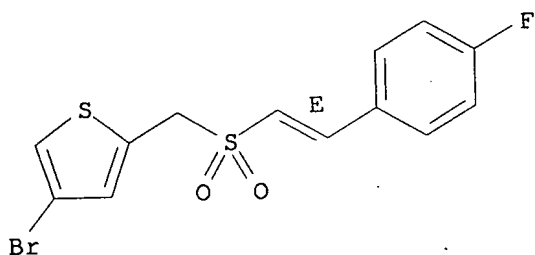
RN 457623-91-5 CAPLUS
CN Thiophene, 2-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
INDEX NAME)

Double bond geometry as shown.



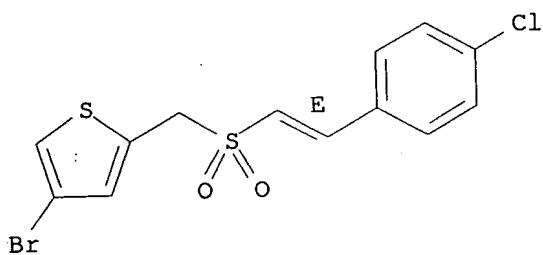
RN 457623-92-6 CAPLUS
CN Thiophene, 4-bromo-2-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



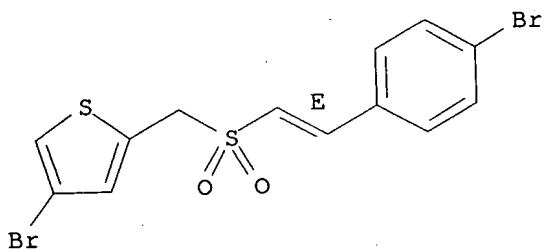
RN 457623-93-7 CAPLUS
 CN Thiophene, 4-bromo-2-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



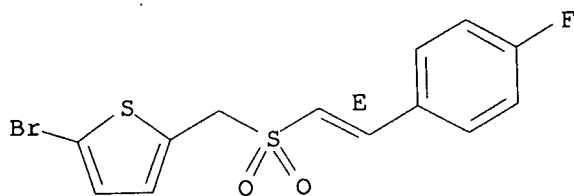
RN 457623-94-8 CAPLUS
 CN Thiophene, 4-bromo-2-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



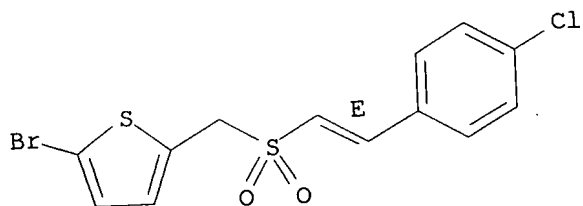
RN 457623-95-9 CAPLUS
 CN Thiophene, 2-bromo-5-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



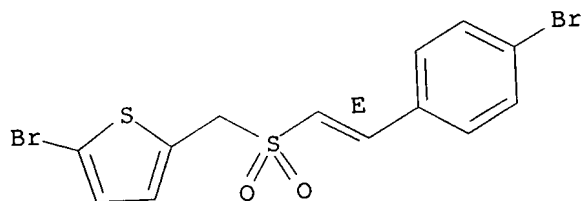
RN 457623-96-0 CAPLUS
 CN Thiophene, 2-bromo-5-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



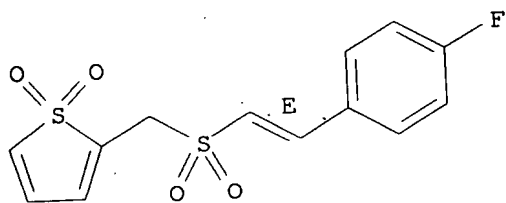
RN 457623-97-1 CAPLUS
 CN Thiophene, 2-bromo-5-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



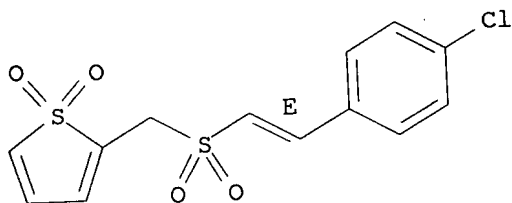
RN 457623-98-2 CAPLUS
 CN Thiophene, 2-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-,
 1,1-dioxide (9CI) (CA INDEX NAME)

Double bond geometry as shown.



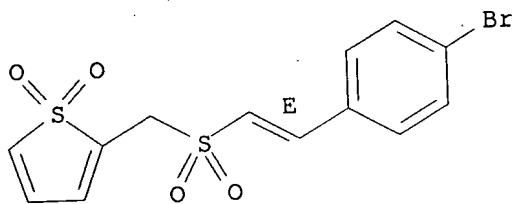
RN 457623-99-3 CAPLUS
 CN Thiophene, 2-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-,
 1,1-dioxide (9CI) (CA INDEX NAME)

Double bond geometry as shown.



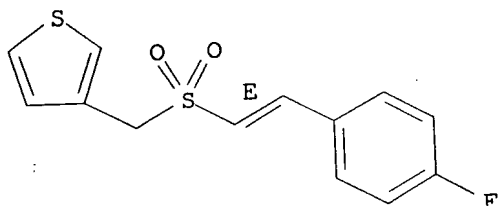
RN 457624-00-9 CAPLUS
 CN Thiophene, 2-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-,
 1,1-dioxide (9CI) (CA INDEX NAME)

Double bond geometry as shown.



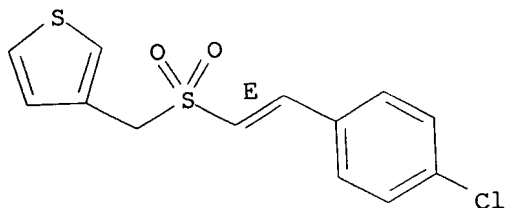
RN 457624-01-0 CAPLUS
 CN Thiophene, 3-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



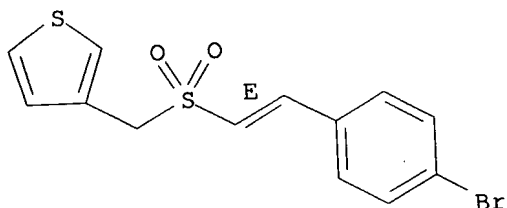
RN 457624-02-1 CAPLUS
 CN Thiophene, 3-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



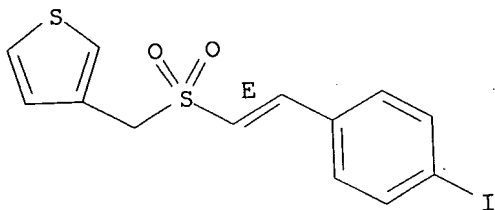
RN 457624-03-2 CAPLUS
 CN Thiophene, 3-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



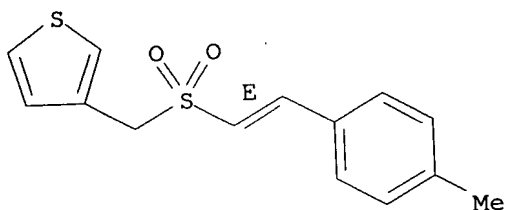
RN 457624-04-3 CAPLUS
 CN Thiophene, 3-[[[(1E)-2-(4-iodophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



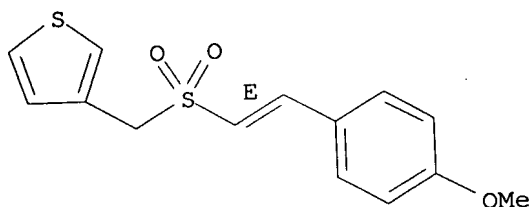
RN 457624-05-4 CAPLUS
 CN Thiophene, 3-[[[(1E)-2-(4-methylphenyl)ethenyl]sulfonyl]methyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



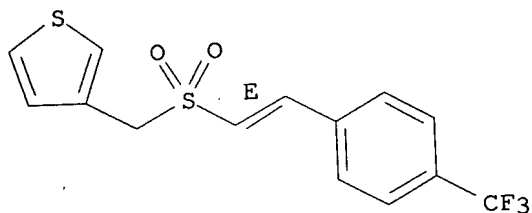
RN 457624-06-5 CAPLUS
 CN Thiophene, 3-[[[(1E)-2-(4-methoxyphenyl)ethenyl]sulfonyl]methyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



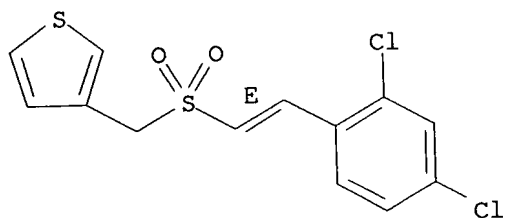
RN 457624-07-6 CAPLUS
 CN Thiophene, 3-[[[(1E)-2-[4-(trifluoromethyl)phenyl]ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



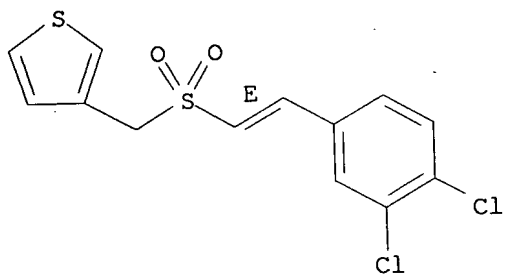
RN 457624-08-7 CAPLUS
 CN Thiophene, 3-[[[(1E)-2-(2,4-dichlorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



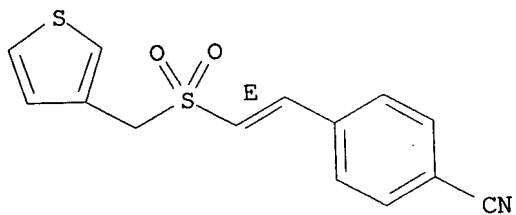
RN 457624-09-8 CAPLUS
CN Thiophene, 3-[[[(1E)-2-(3,4-dichlorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



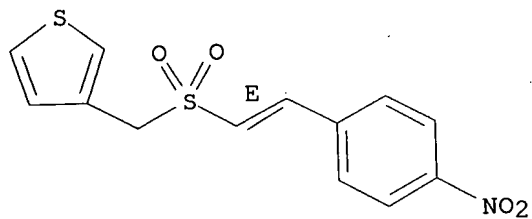
RN 457624-10-1 CAPLUS
CN Benzonitrile, 4-[[[(1E)-2-[(3-thienylmethyl)sulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

Double bond geometry as shown.



RN 457624-11-2 CAPLUS
CN Thiophene, 3-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
INDEX NAME)

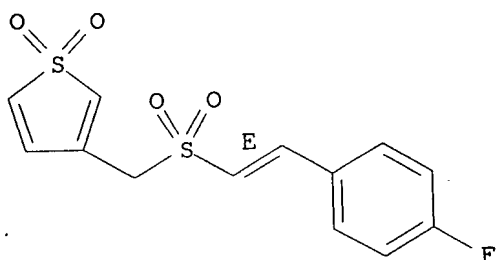
Double bond geometry as shown.



RN 457624-12-3 CAPLUS

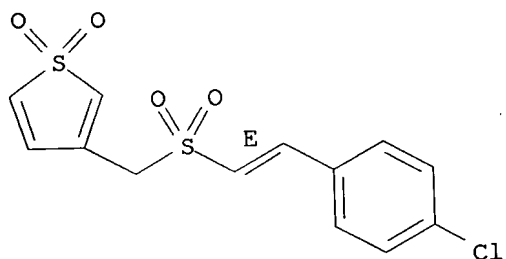
CN Thiophene, 3-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-,
1,1-dioxide (9CI) (CA INDEX NAME)

Double bond geometry as shown.



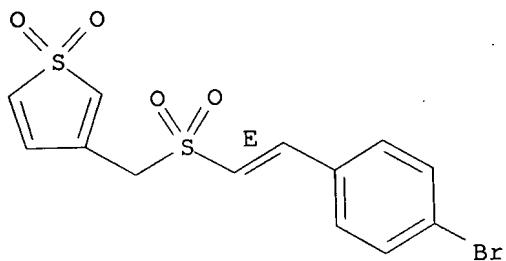
RN 457624-13-4 CAPLUS
CN Thiophene, 3-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-,
1,1-dioxide (9CI) (CA INDEX NAME)

Double bond geometry as shown.



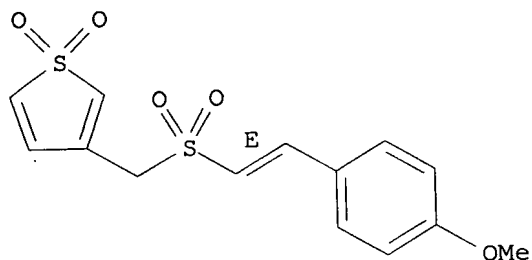
RN 457624-14-5 CAPLUS
CN Thiophene, 3-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-,
1,1-dioxide (9CI) (CA INDEX NAME)

Double bond geometry as shown.



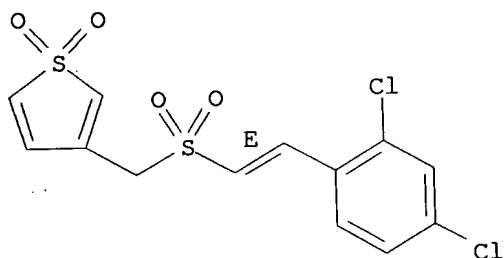
RN 457624-15-6 CAPLUS
CN Thiophene, 3-[[[(1E)-2-(4-methoxyphenyl)ethenyl]sulfonyl]methyl]-,
1,1-dioxide (9CI) (CA INDEX NAME)

Double bond geometry as shown.



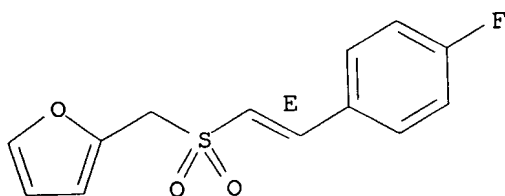
RN 457624-16-7 CAPLUS
 CN Thiophene, 3-[[[(1E)-2-(2,4-dichlorophenyl)ethenyl]sulfonyl]methyl]-, 1,1-dioxide (9CI) (CA INDEX NAME)

Double bond geometry as shown.



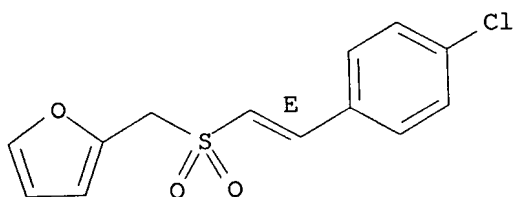
RN 457624-17-8 CAPLUS
 CN Furan, 2-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 457624-18-9 CAPLUS
 CN Furan, 2-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

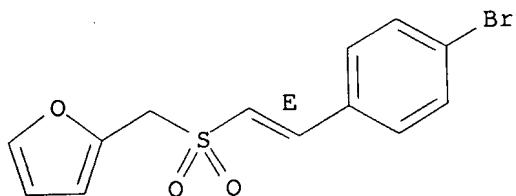
Double bond geometry as shown.



RN 457624-19-0 CAPLUS
 CN Furan, 2-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

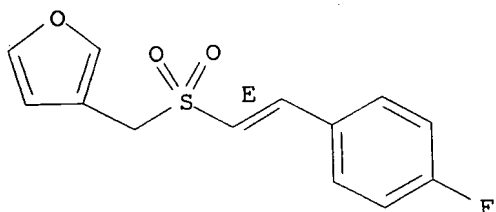
INDEX NAME)

Double bond geometry as shown.



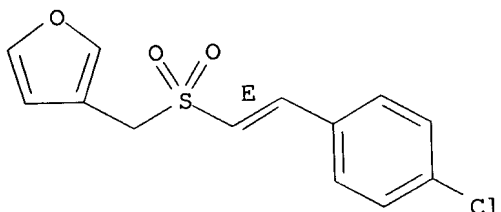
RN 457624-20-3 CAPLUS
CN Furan, 3-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
INDEX NAME)

Double bond geometry as shown.



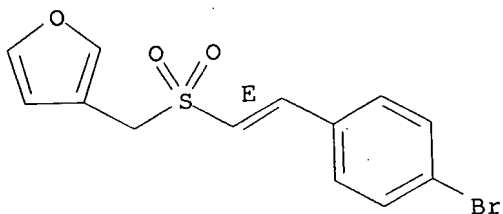
RN 457624-21-4 CAPLUS
CN Furan, 3-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
INDEX NAME)

Double bond geometry as shown.



RN 457624-22-5 CAPLUS
CN Furan, 3-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
INDEX NAME)

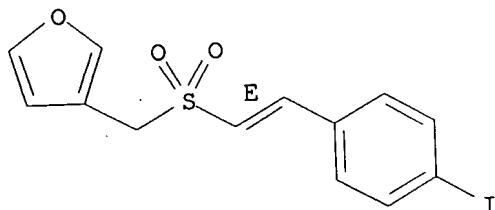
Double bond geometry as shown.



RN 457624-23-6 CAPLUS
CN Furan, 3-[[[(1E)-2-(4-iodophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA

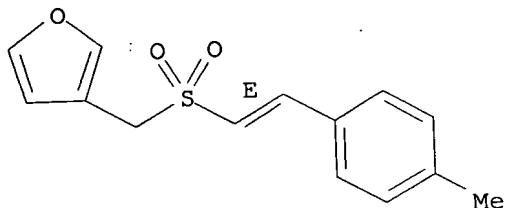
INDEX NAME)

Double bond geometry as shown.



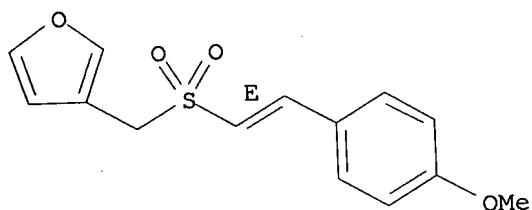
RN 457624-24-7 CAPLUS
CN Furan, 3-[[[(1E)-2-(4-methylphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



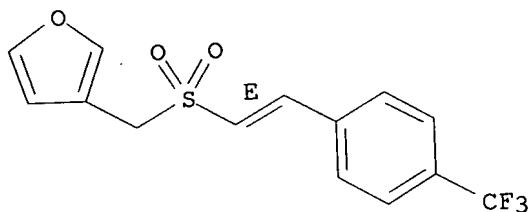
RN 457624-25-8 CAPLUS
CN Furan, 3-[[[(1E)-2-(4-methoxyphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 457624-26-9 CAPLUS
CN Furan, 3-[[[(1E)-2-[4-(trifluoromethyl)phenyl]ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

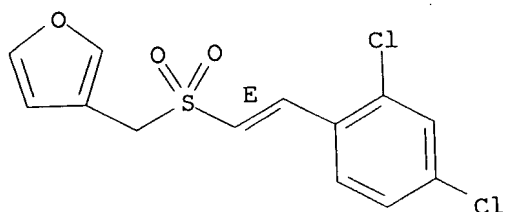
Double bond geometry as shown.



RN 457624-27-0 CAPLUS

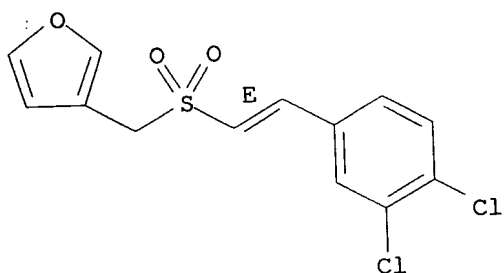
CN Furan, 3-[[[(1E)-2-(2,4-dichlorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



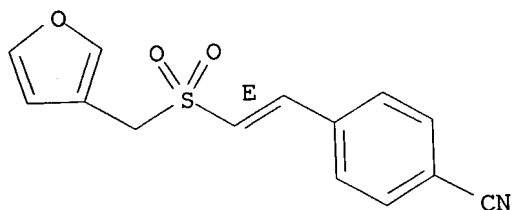
RN 457624-28-1 CAPLUS
CN Furan, 3-[[[(1E)-2-(3,4-dichlorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



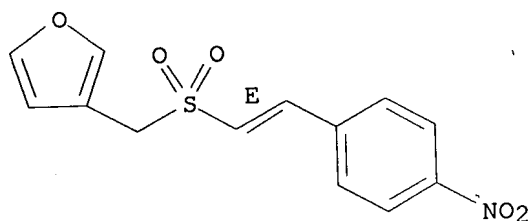
RN 457624-29-2 CAPLUS
CN Benzonitrile, 4-[(1E)-2-[(3-furanylmethyl)sulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

Double bond geometry as shown.



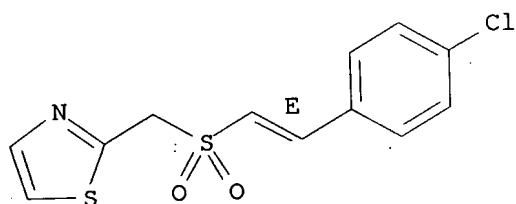
RN 457624-30-5 CAPLUS
CN Furan, 3-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
INDEX NAME)

Double bond geometry as shown.



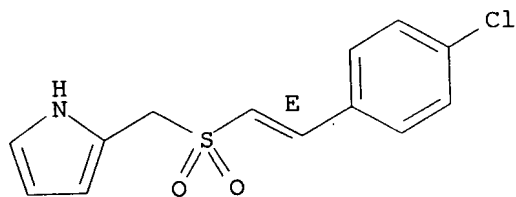
RN 457624-32-7 CAPLUS
 CN Thiazole, 2-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



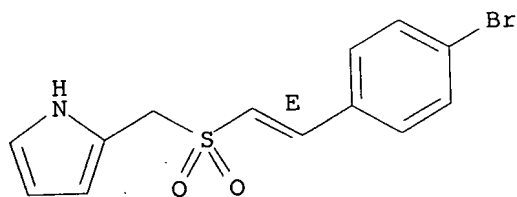
RN 457624-34-9 CAPLUS
 CN 1H-Pyrrole, 2-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



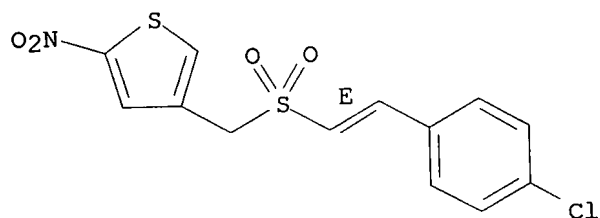
RN 457624-35-0 CAPLUS
 CN 1H-Pyrrole, 2-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



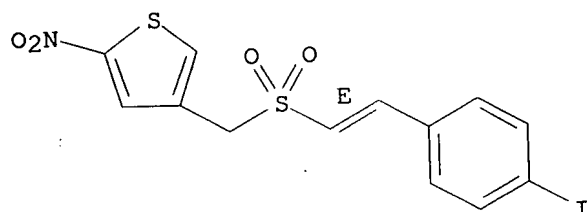
RN 457624-37-2 CAPLUS
 CN Thiophene, 4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-2-nitro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



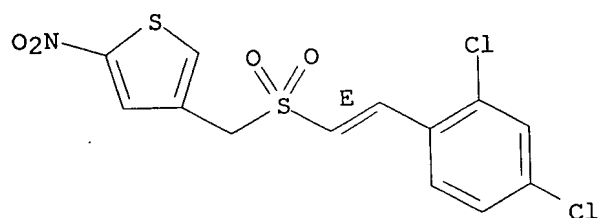
RN 457624-39-4 CAPLUS
 CN Thiophene, 4-[[[(1E)-2-(4-iodophenyl)ethenyl]sulfonyl]methyl]-2-nitro-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



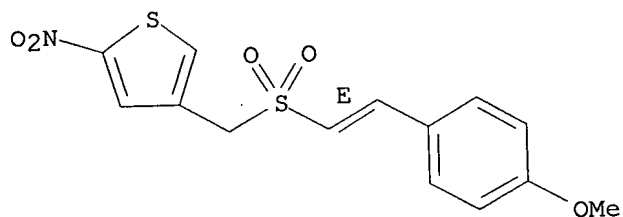
RN 457624-41-8 CAPLUS
 CN Thiophene, 4-[[[(1E)-2-(2,4-dichlorophenyl)ethenyl]sulfonyl]methyl]-2-nitro-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



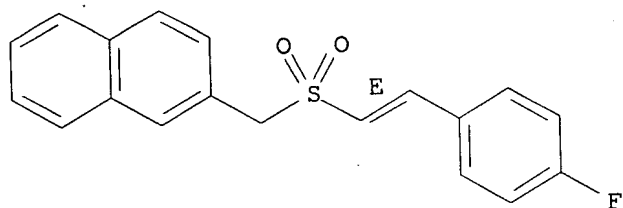
RN 457624-42-9 CAPLUS
 CN Thiophene, 4-[[[(1E)-2-(4-methoxyphenyl)ethenyl]sulfonyl]methyl]-2-nitro-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



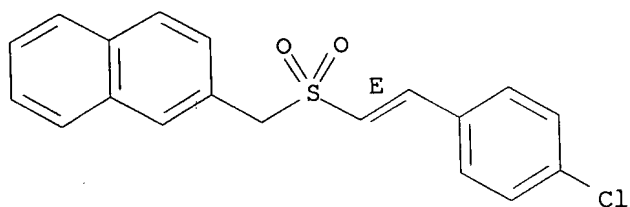
RN 457624-43-0 CAPLUS
 CN Naphthalene, 2-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



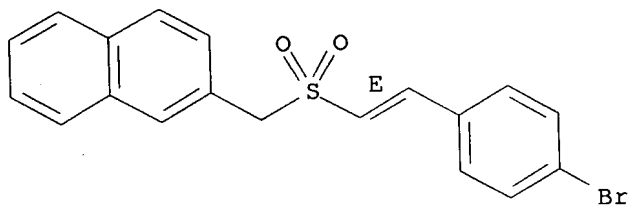
RN 457624-44-1 CAPLUS
CN Naphthalene, 2-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



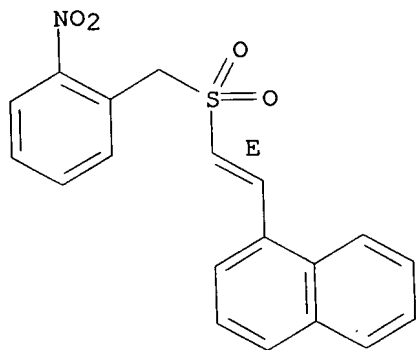
RN 457624-46-3 CAPLUS
CN Naphthalene, 2-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



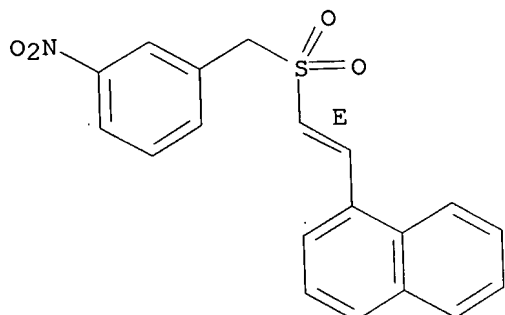
RN 457624-47-4 CAPLUS
CN Naphthalene, 1-[[[(1E)-2-[(2-nitrophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



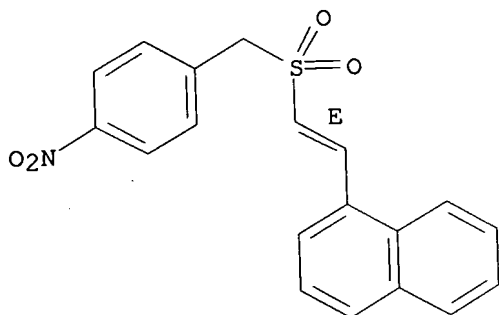
RN 457624-48-5 CAPLUS
CN Naphthalene, 1-[(1E)-2-[[[3-nitrophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



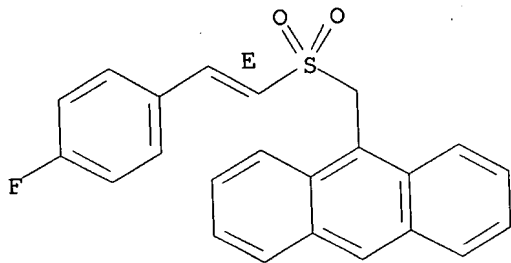
RN 457624-50-9 CAPLUS
CN Naphthalene, 1-[(1E)-2-[[[4-nitrophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



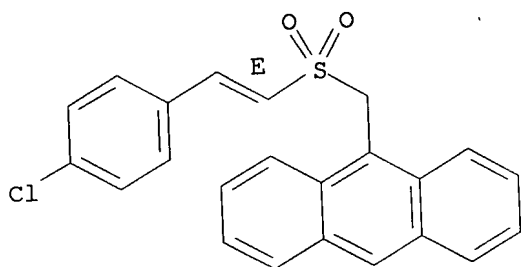
RN 457624-51-0 CAPLUS
CN Anthracene, 9-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



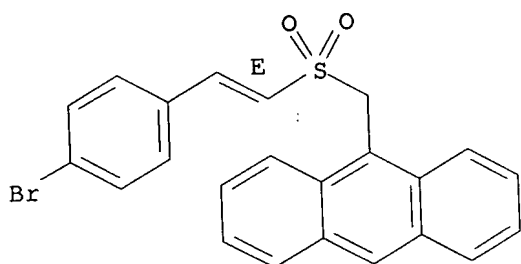
RN 457624-53-2 CAPLUS
CN Anthracene, 9-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



RN 457624-54-3 CAPLUS
 CN Anthracene, 9-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 32 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2002:675817 CAPLUS
 DOCUMENT NUMBER: 137:216758
 TITLE: Antitumor (Z)-styryl benzyl sulfones
 INVENTOR(S): Reddy, E. Premkumar; Reddy, M. V. Ramana
 PATENT ASSIGNEE(S): Temple University, USA
 SOURCE: PCT Int. Appl., 25 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002067913	A1	20020906	WO 2002-US5817	20020226
WO 2002067913	A8	20021114		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2439256	A1	20020906	CA 2002-2439256	20020226
AU 2002247222	A1	20020912	AU 2002-247222	20020226
EP 1379228	A1	20040114	EP 2002-714999	20020226
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2004521126	T	20040715	JP 2002-567281	20020226
US 2004133030	A1	20040708	US 2003-469056	20030821

US 6833480
PRIORITY APPLN. INFO.:

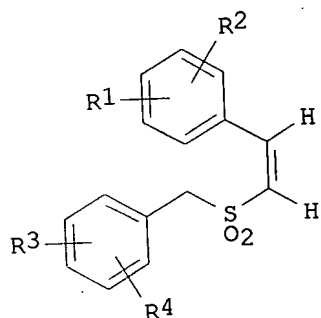
B2 20041221

US 2001-271762P
WO 2002-US5817

P 20010227
W 20020226

OTHER SOURCE(S):
GI

MARPAT 137:216758



AB The title compds. [I; R1, R2 = halo, alkyl, alkoxy, etc.; R3, R4 = H, halo, alkyl, etc.], useful as cell antiproliferative agents, including, for example, anticancer agents (no biol. data), were claimed. General procedure for preparation of compds. I such as I [R1, R2 = 2,4-F2; R3 = 4-Cl; R4 = H], were given.

IT 454714-91-1P 454714-92-2P 454714-94-4P
454714-96-6P 454714-98-8P 454715-00-5P
454715-02-7P 454715-04-9P 454715-06-1P
454715-07-2P 454715-08-3P 454715-09-4P
454715-10-7P 454715-12-9P 454715-14-1P
454715-16-3P 454715-18-5P 454715-20-9P
454715-22-1P 454715-24-3P

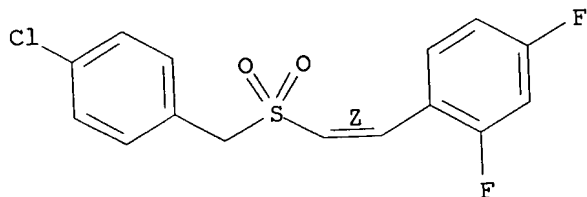
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(antitumor (Z)-styryl benzyl sulfones)

RN 454714-91-1 CAPLUS

CN Benzene, 1-[(1Z)-2-[[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-2,4-difluoro- (9CI) (CA INDEX NAME)

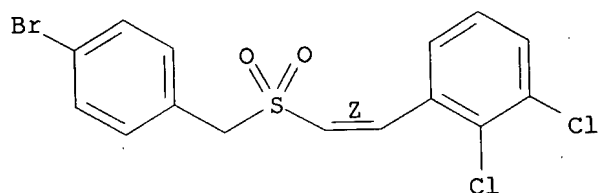
Double bond geometry as shown.



RN 454714-92-2 CAPLUS

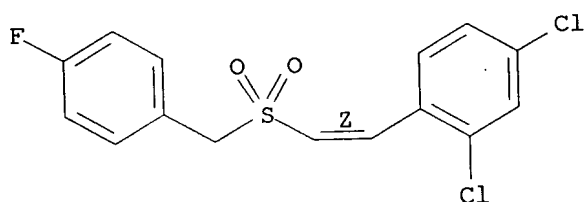
CN Benzene, 1-[(1Z)-2-[[[(4-bromophenyl)methyl]sulfonyl]ethenyl]-2,3-dichloro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



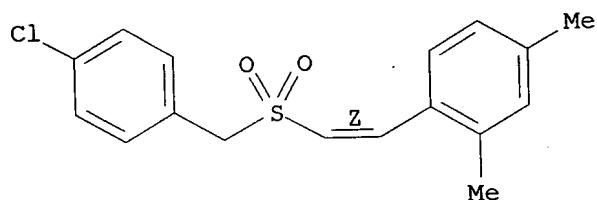
RN 454714-94-4 CAPLUS
 CN Benzene, 2,4-dichloro-1-[(1Z)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



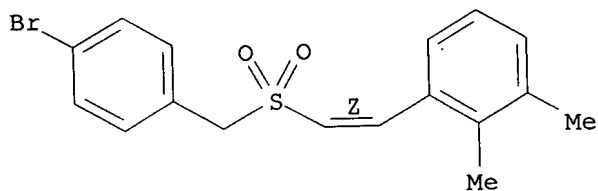
RN 454714-96-6 CAPLUS
 CN Benzene, 1-[(1Z)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-2,4-dimethyl-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



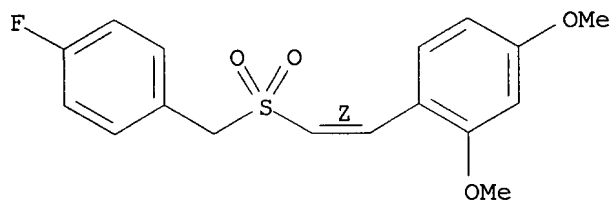
RN 454714-98-8 CAPLUS
 CN Benzene, 1-[(1Z)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]-2,3-dimethyl-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



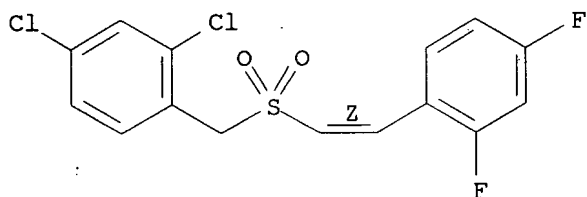
RN 454715-00-5 CAPLUS
 CN Benzene, 1-[(1Z)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-2,4-
 dimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



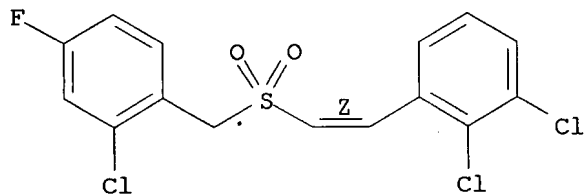
RN 454715-02-7 CAPLUS
 CN Benzene, 2,4-dichloro-1-[[[(1Z)-2-(2,4-difluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



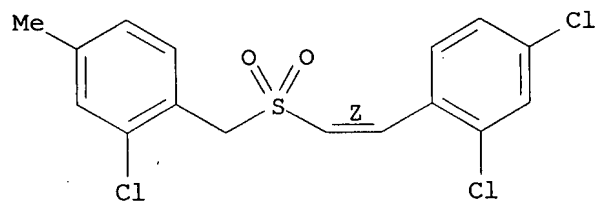
RN 454715-04-9 CAPLUS
 CN Benzene, 1,2-dichloro-3-[(1Z)-2-[(2-chloro-4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



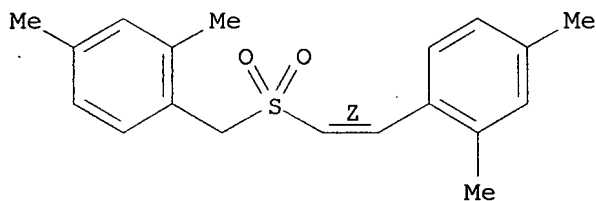
RN 454715-06-1 CAPLUS
 CN Benzene, 2-chloro-1-[[[(1Z)-2-(2,4-dichlorophenyl)ethenyl]sulfonyl]methyl]-4-methyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 454715-07-2 CAPLUS
 CN Benzene, 1-[[[(1Z)-2-(2,4-dimethylphenyl)ethenyl]sulfonyl]methyl]-2,4-dimethyl- (9CI) (CA INDEX NAME)

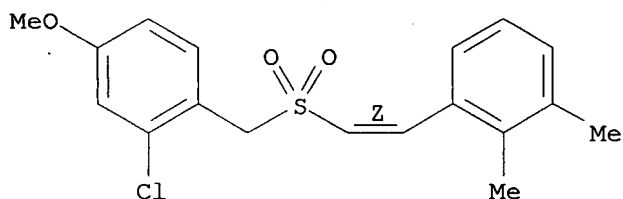
Double bond geometry as shown.



RN 454715-08-3 CAPLUS

CN Benzene, 1-[(1Z)-2-[[2-(2-chloro-4-methoxyphenyl)methyl]sulfonyl]ethenyl]-2,3-dimethyl- (9CI) (CA INDEX NAME)

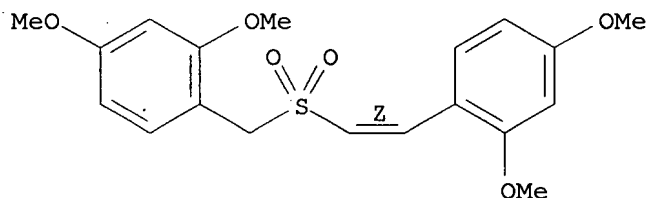
Double bond geometry as shown.



RN 454715-09-4 CAPLUS

CN Benzene, 1-[[[(1Z)-2-(2,4-dimethoxyphenyl)ethenyl]sulfonyl]methyl]-2,4-dimethoxy- (9CI) (CA INDEX NAME)

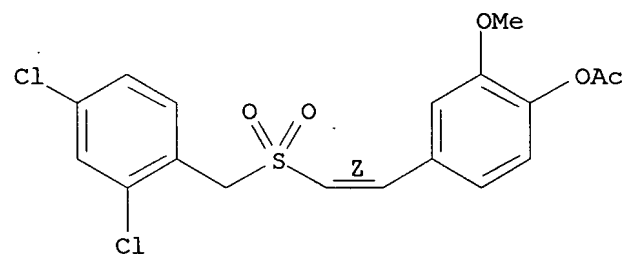
Double bond geometry as shown.



RN 454715-10-7 CAPLUS

CN Phenol, 4-[(1Z)-2-[[2-(2,4-dichlorophenyl)methyl]sulfonyl]ethenyl]-2-methoxy-, acetate (9CI) (CA INDEX NAME)

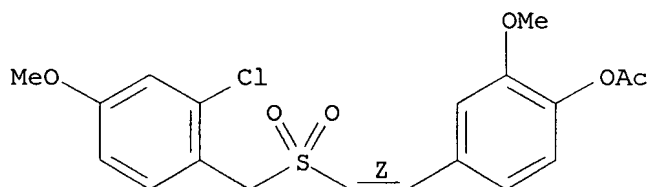
Double bond geometry as shown.



RN 454715-12-9 CAPLUS

CN Phenol, 4-[(1Z)-2-[[2-(2-chloro-4-methoxyphenyl)methyl]sulfonyl]ethenyl]-2-methoxy-, acetate (9CI) (CA INDEX NAME)

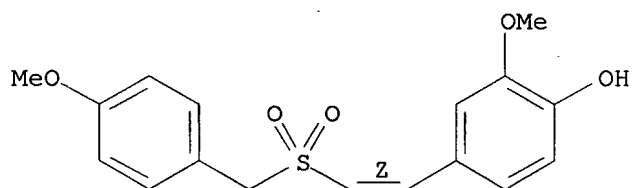
Double bond geometry as shown.



RN 454715-14-1 CAPLUS

CN Phenol, 2-methoxy-4-[(1Z)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

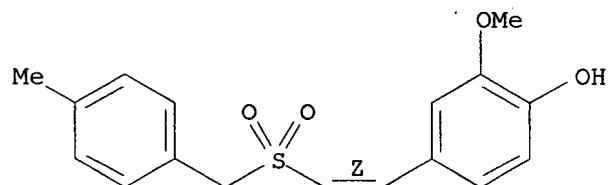
Double bond geometry as shown.



RN 454715-16-3 CAPLUS

CN Phenol, 2-methoxy-4-[(1Z)-2-[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

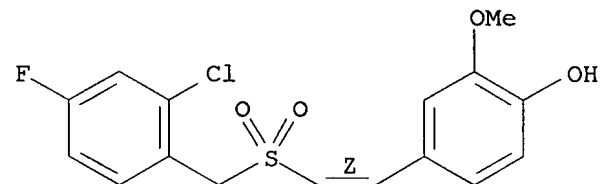
Double bond geometry as shown.



RN 454715-18-5 CAPLUS

CN Phenol, 4-[(1Z)-2-[[(2-chloro-4-fluorophenyl)methyl]sulfonyl]ethenyl]-2-methoxy- (9CI) (CA INDEX NAME)

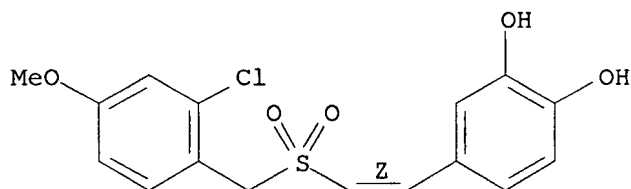
Double bond geometry as shown.



RN 454715-20-9 CAPLUS

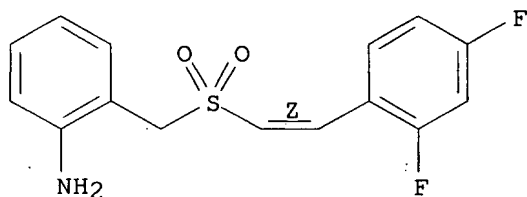
CN 1,2-Benzenediol, 4-[(1Z)-2-[[(2-chloro-4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



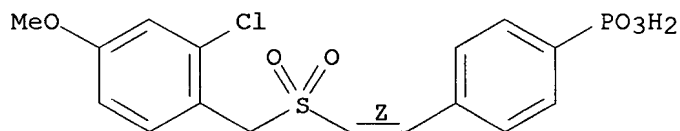
RN 454715-22-1 CAPLUS
 CN Benzenamine, 2-[[[(1Z)-2-(2,4-difluorophenyl)ethenyl]sulfonyl]methyl]-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 454715-24-3 CAPLUS
 CN Phosphonic acid, [4-[(1Z)-2-[(2-chloro-4-methoxyphenyl)methyl]sulfonyl]ethenyl]phenyl]-(9CI) (CA INDEX NAME)

Double bond geometry as shown.

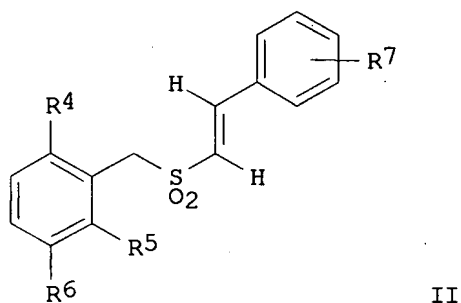
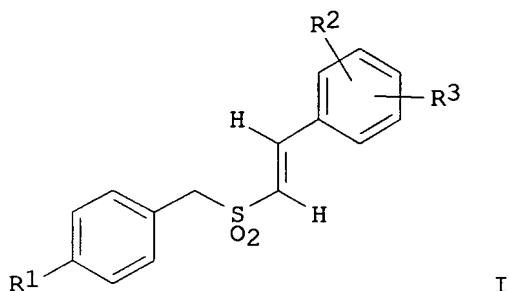


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 33 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2002:275959 CAPLUS
 DOCUMENT NUMBER: 136:309755
 TITLE: Preparation of (E)-styryl benzyl sulfones for treating proliferative disorders
 INVENTOR(S): Reddy, E. Premkumar; Reddy, M. V. Ramana
 PATENT ASSIGNEE(S): Temple University - of the Commonwealth System of Higher Education, USA
 SOURCE: PCT Int. Appl., 37 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002028828	A1	20020411	WO 2001-US31337	20011005
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,				

RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
 UZ, VN, YU, ZA, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 CA 2424884 A1 20020411 CA 2001-2424884 20011005
 AU 200196677 A 20020415 AU 2001-96677 20011005
 EP 1328511 A1 20030723 EP 2001-977567 20011005
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 JP 2004510761 T 20040408 JP 2002-532414 20011005
 IN 2003DN00606 A 20070316 IN 2003-DN606 20030421
 US 2005101528 A1 20050512 US 2003-398545 20030828
 US 7053123 B2 20060530
 PRIORITY APPLN. INFO.: US 2000-238222P P 20001005
 WO 2001-US31337 W 20011005
 OTHER SOURCE(S): MARPAT 136:309755
 GI



- AB The title compds. [I or II; R1 = halo, alkoxy, NO2, etc.; R2, R3 = halo, alkoxy, alkyl, etc.; provided: R1 may not be halogen when R2 and R3 are both halogen; R2 may not be 2-halogen when R3 is 4-halogen; R4 = alkoxy, phosphonato, NH2, etc.; R5 = H, alkoxy, NH2, etc.; R6 = NO2, H, phosphonato, etc.; R7 = halo, alkoxy, alkyl, etc.; provided R5 and R6 may not be hydrogen in the same compound], useful as antiproliferative agents, including, for example, anticancer agents, were prepared. Thus, reacting 4-chlorobenzylsulfonylacetic acid with 3-hydroxy-4-nitrobenzaldehyde in the presence of PhCH2NH2 in glacial AcOH afforded 58% (E)-I [R1 = Cl; R2 = 3-OH; R3 = 4-NO2]. Biol. data for two of 39 exemplified compds. I were given.
- IT 300699-78-9P 409357-35-3P 409357-37-5P
 409357-40-0P 409357-42-2P 409357-44-4P
 409357-46-6P 409357-48-8P 409357-50-2P

409357-52-4P 409357-54-6P 409357-56-8P
409357-58-0P 409357-60-4P 409357-62-6P
409357-63-7P 409357-65-9P 409357-67-1P
409357-69-3P 409357-71-7P 409357-73-9P
409357-75-1P 409357-77-3P 409357-79-5P
409357-81-9P 409357-83-1P 409357-85-3P
409357-87-5P 409357-89-7P 409357-90-0P
409357-91-1P 409357-92-2P 409357-93-3P
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409357-99-9P 409358-01-6P 409358-02-7P

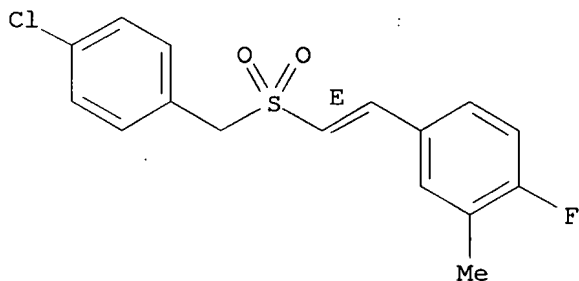
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(preparation of (E)-styryl benzyl sulfones for treating proliferative disorders)

RN 300699-78-9 CAPLUS

CN Benzene, 4-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-1-fluoro-2-methyl- (9CI) (CA INDEX NAME)

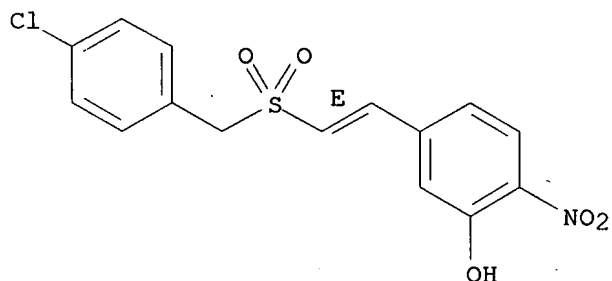
Double bond geometry as shown.



RN 409357-35-3 CAPLUS

CN Phenol, 5-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-2-nitro- (9CI) (CA INDEX NAME)

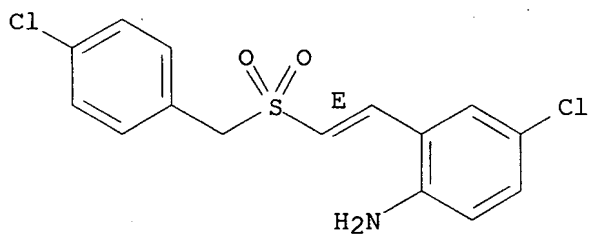
Double bond geometry as shown.



RN 409357-37-5 CAPLUS

CN Benzenamine, 4-chloro-2-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

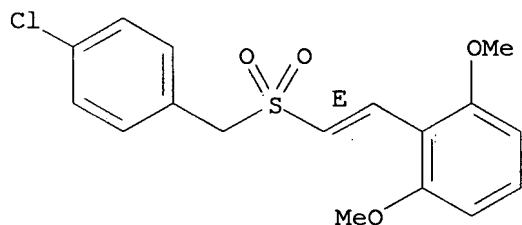
Double bond geometry as shown.



RN 409357-40-0 CAPLUS

CN Benzene, 2-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-1,3-dimethoxy- (9CI) (CA INDEX NAME)

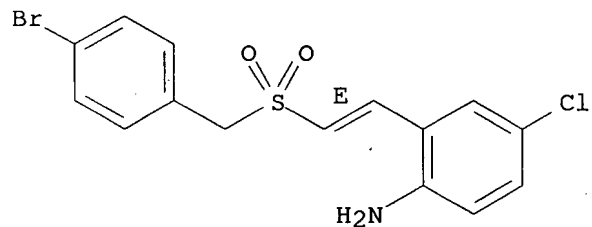
Double bond geometry as shown.



RN 409357-42-2 CAPLUS

CN Benzenamine, 2-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]-4-chloro- (9CI) (CA INDEX NAME)

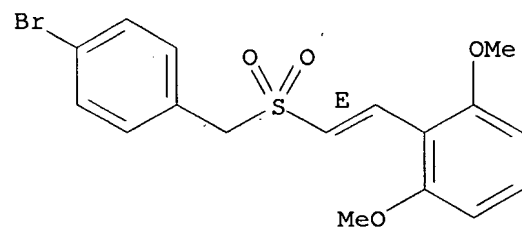
Double bond geometry as shown.



RN 409357-44-4 CAPLUS

CN Benzene, 2-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]-1,3-dimethoxy- (9CI) (CA INDEX NAME)

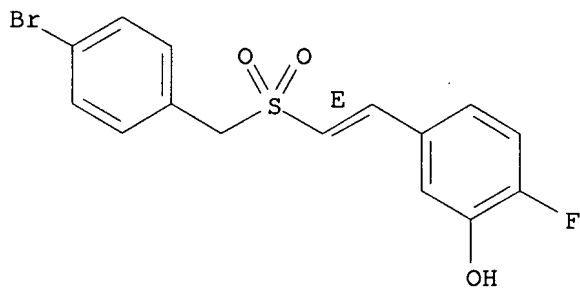
Double bond geometry as shown.



RN 409357-46-6 CAPLUS

CN Phenol, 5-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]-2-fluoro- (9CI) (CA INDEX NAME)

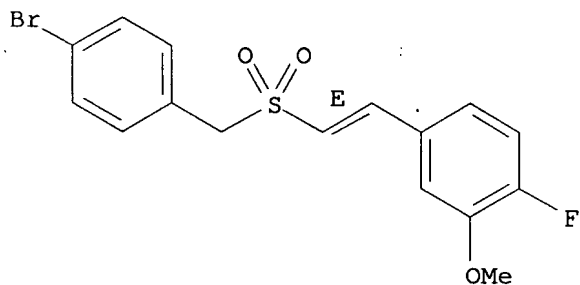
Double bond geometry as shown.



RN 409357-48-8 CAPLUS

CN Benzene, 4-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-1-fluoro-2-methoxy- (9CI) (CA INDEX NAME)

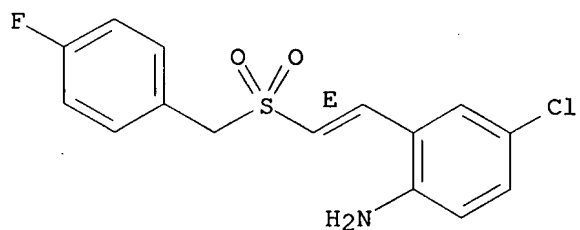
Double bond geometry as shown.



RN 409357-50-2 CAPLUS

CN Benzenamine, 4-chloro-2-[(1E)-2-[[[4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

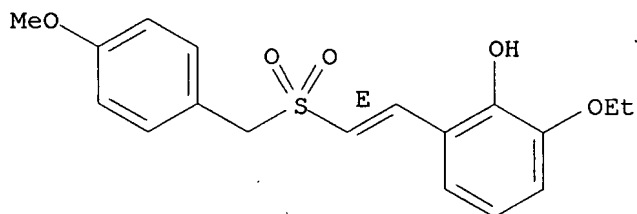
Double bond geometry as shown.



RN 409357-52-4 CAPLUS

CN Phenol, 2-ethoxy-6-[(1E)-2-[[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

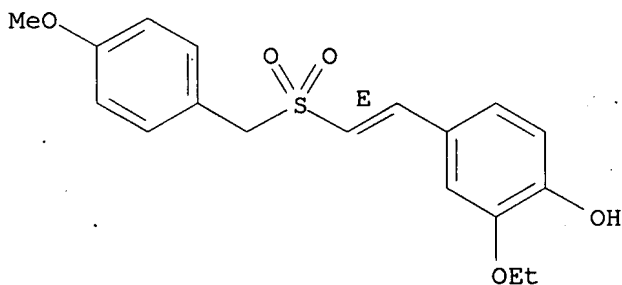
Double bond geometry as shown.



RN 409357-54-6 CAPLUS

CN Phenol, 2-ethoxy-4-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

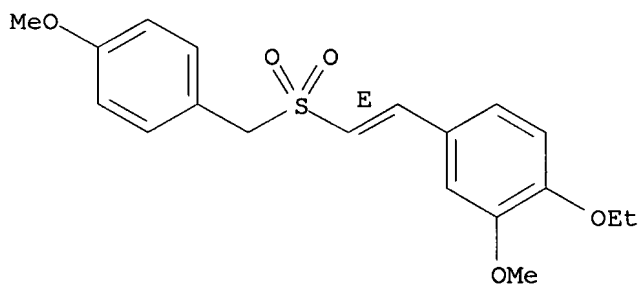
Double bond geometry as shown.



RN 409357-56-8 CAPLUS

CN Benzene, 1-ethoxy-2-methoxy-4-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]e
thenyl]- (9CI) (CA INDEX NAME)

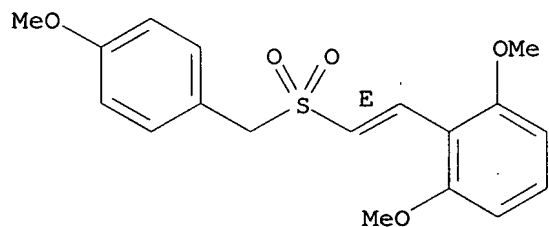
Double bond geometry as shown.



RN 409357-58-0 CAPLUS

CN Benzene, 1,3-dimethoxy-2-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]etheny
l]- (9CI) (CA INDEX NAME)

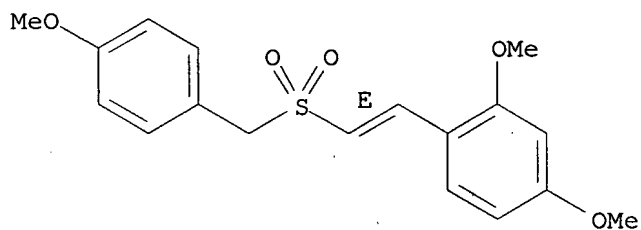
Double bond geometry as shown.



RN 409357-60-4 CAPLUS

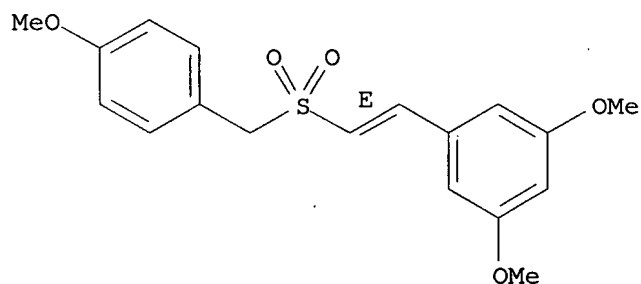
CN Benzene, 2,4-dimethoxy-1-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]etheny
l]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



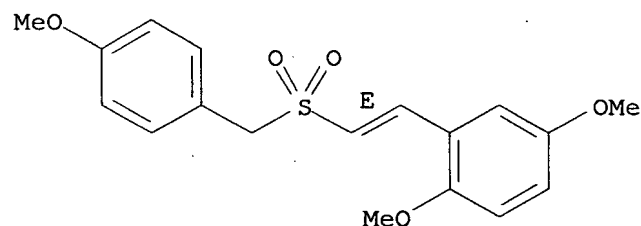
RN 409357-62-6 CAPLUS
 CN Benzene, 1,3-dimethoxy-5-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]etheny
 1]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



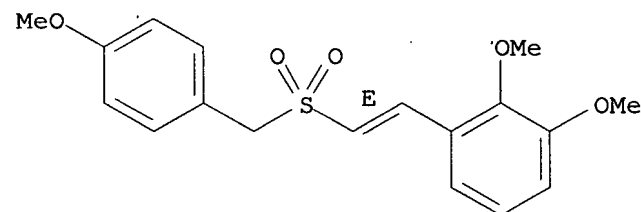
RN 409357-63-7 CAPLUS
 CN Benzene, 1,4-dimethoxy-2-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]etheny
 1]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 409357-65-9 CAPLUS
 CN Benzene, 1,2-dimethoxy-3-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]etheny
 1]- (9CI) (CA INDEX NAME)

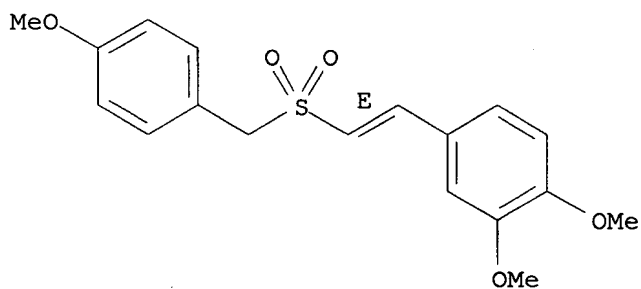
Double bond geometry as shown.



RN 409357-67-1 CAPLUS
 CN Benzene, 1,2-dimethoxy-4-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]etheny

1]- (9CI) (CA INDEX NAME)

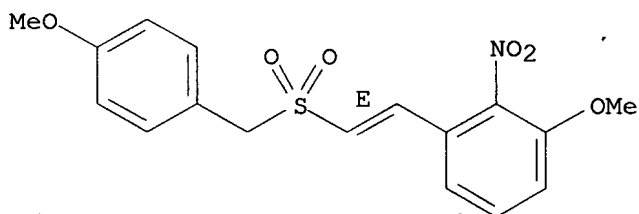
Double bond geometry as shown.



RN 409357-69-3 CAPLUS

CN Benzene, 1-methoxy-3-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]-2-nitro- (9CI) (CA INDEX NAME)

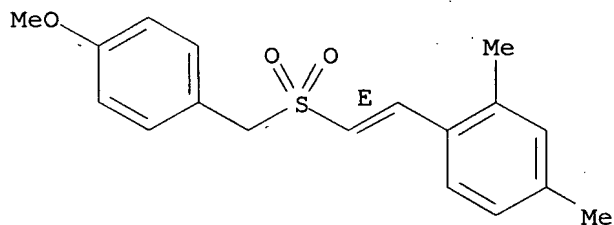
Double bond geometry as shown.



RN 409357-71-7 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]-2,4-dimethyl- (9CI) (CA INDEX NAME)

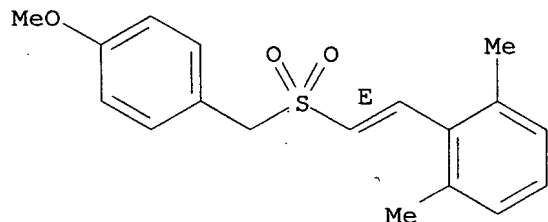
Double bond geometry as shown.



RN 409357-73-9 CAPLUS

CN Benzene, 2-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]-1,3-dimethyl- (9CI) (CA INDEX NAME)

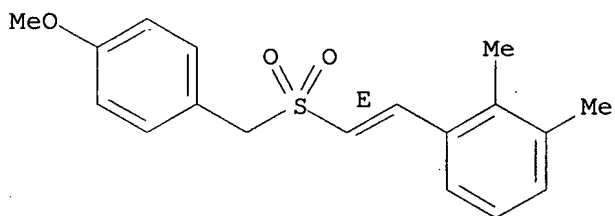
Double bond geometry as shown.



RN 409357-75-1 CAPLUS

CN Benzene, 1-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-2,3-dimethyl- (9CI) (CA INDEX NAME)

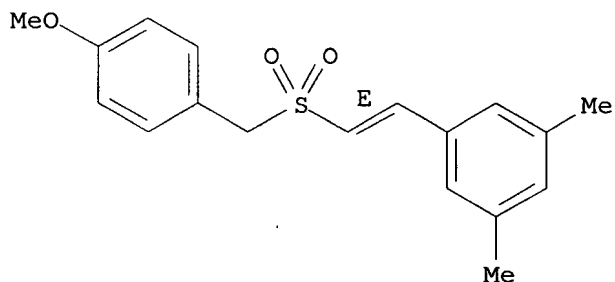
Double bond geometry as shown.



RN 409357-77-3 CAPLUS

CN Benzene, 1-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)

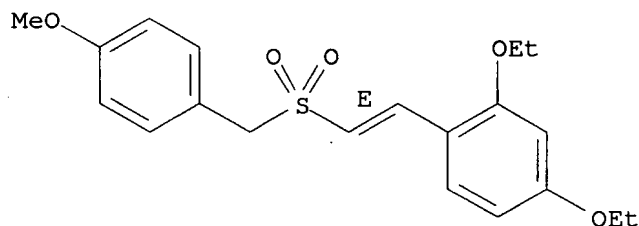
Double bond geometry as shown.



RN 409357-79-5 CAPLUS

CN Benzene, 2,4-diethoxy-1-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

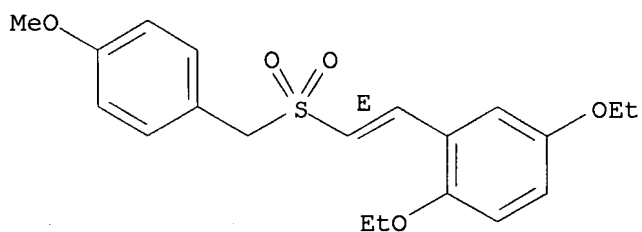
Double bond geometry as shown.



RN 409357-81-9 CAPLUS

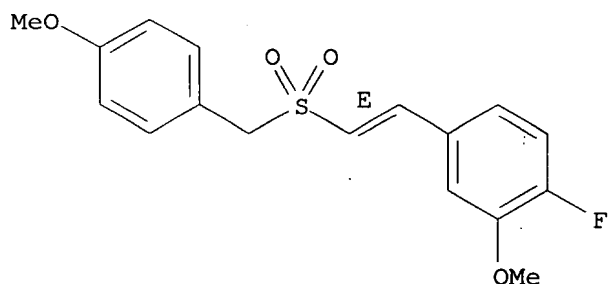
CN Benzene, 1,4-diethoxy-2-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



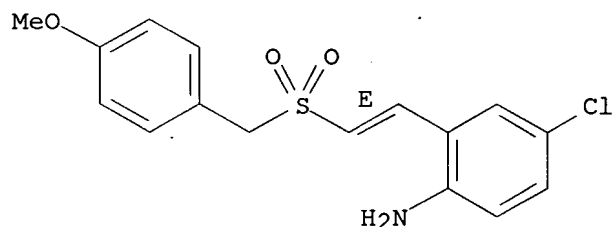
RN 409357-83-1 CAPLUS
 CN Benzene, 1-fluoro-2-methoxy-4-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



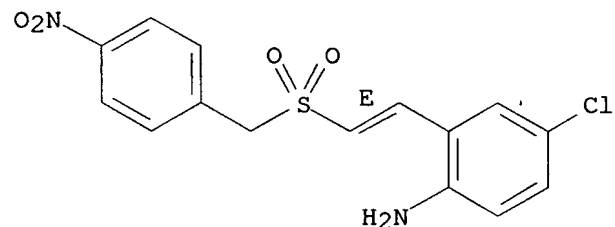
RN 409357-85-3 CAPLUS
 CN Benzenamine, 4-chloro-2-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 409357-87-5 CAPLUS
 CN Benzenamine, 4-chloro-2-[(1E)-2-[[(4-nitrophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME).

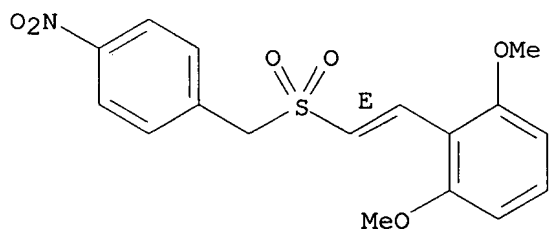
Double bond geometry as shown.



RN 409357-89-7 CAPLUS
 CN Benzene, 1,3-dimethoxy-2-[(1E)-2-[[(4-nitrophenyl)methyl]sulfonyl]ethenyl]-

(9CI) (CA INDEX NAME)

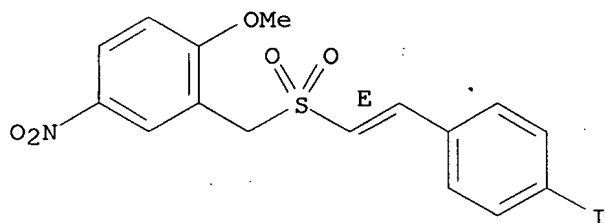
Double bond geometry as shown.



RN 409357-90-0 CAPLUS

CN Benzene, 2-[[[(1E)-2-(4-iodophenyl)ethenyl]sulfonyl]methyl]-1-methoxy-4-nitro- (9CI) (CA INDEX NAME)

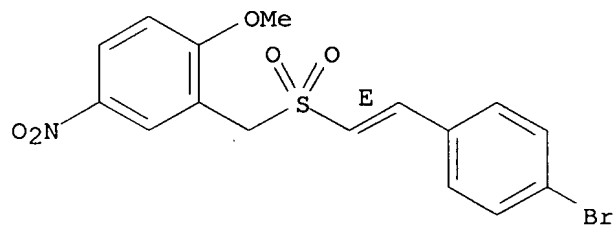
Double bond geometry as shown.



RN 409357-91-1 CAPLUS

CN Benzene, 2-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-1-methoxy-4-nitro- (9CI) (CA INDEX NAME)

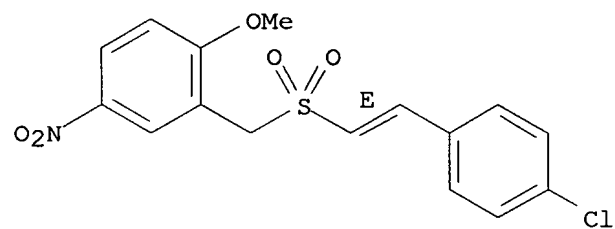
Double bond geometry as shown.



RN 409357-92-2 CAPLUS

CN Benzene, 2-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-1-methoxy-4-nitro- (9CI) (CA INDEX NAME)

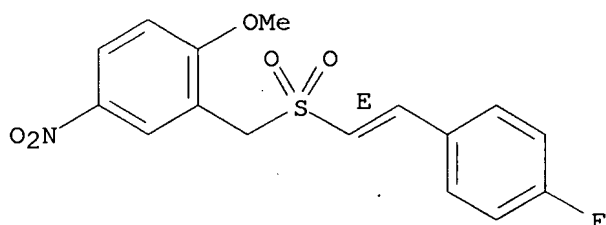
Double bond geometry as shown.



RN 409357-93-3 CAPLUS

CN Benzene, 2-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-1-methoxy-4-nitro- (9CI) (CA INDEX NAME)

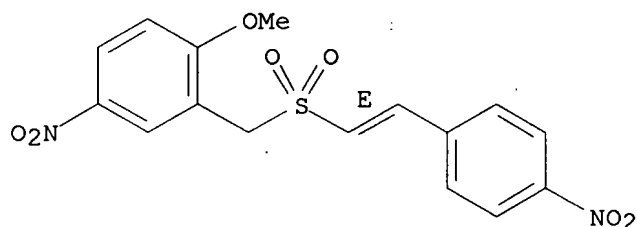
Double bond geometry as shown.



RN 409357-95-5 CAPLUS

CN Benzene, 1-methoxy-4-nitro-2-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

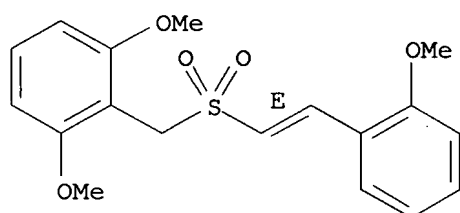
Double bond geometry as shown.



RN 409357-97-7 CAPLUS

CN Benzene, 1,3-dimethoxy-2-[[[(1E)-2-(2-methoxyphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

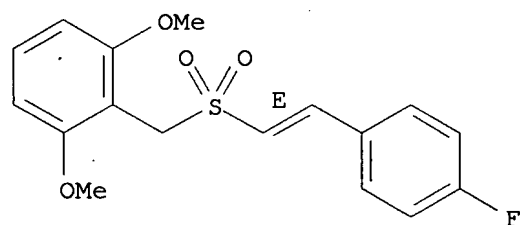
Double bond geometry as shown.



RN 409357-98-8 CAPLUS

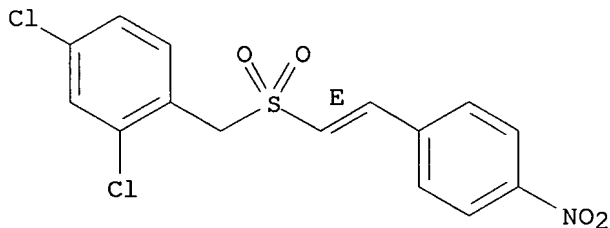
CN Benzene, 2-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-1,3-dimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



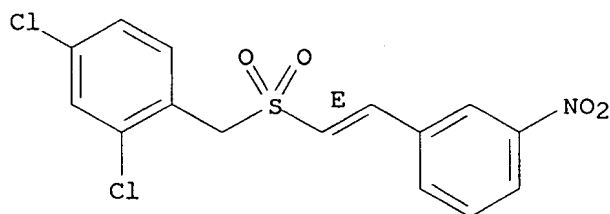
RN 409357-99-9 CAPLUS
CN Benzene, 2,4-dichloro-1-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



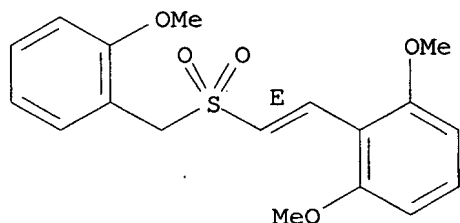
RN 409358-01-6 CAPLUS
CN Benzene, 2,4-dichloro-1-[[[(1E)-2-(3-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 409358-02-7 CAPLUS
CN Benzene, 1,3-dimethoxy-2-[(1E)-2-[(2-methoxyphenyl)methyl]sulfonyl]ethenyl]-
1]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

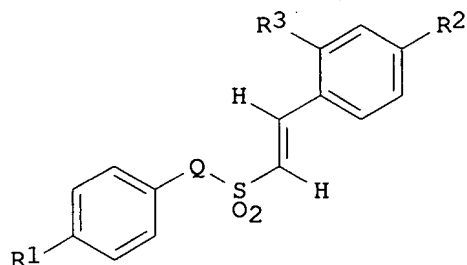
L3 ANSWER 34 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:143297 CAPLUS
DOCUMENT NUMBER: 136:183608
TITLE: Preparation of styryl aryl sulfones as anticancer agents
INVENTOR(S): Reddy, E. Premkumar; Reddy, M. V. Ramana
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 23 pp., Cont.-in-part of U.S. Ser. No. 509,227.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002022666	A1	20020221	US 2001-919061	20010731
US 6548553	B2	20030415		
WO 9918068	A1	19990415	WO 1998-US20580	19981001
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6359013	B1	20020319	US 2000-509227	20000324
US 2003114538	A1	20030619	US 2002-255218	20020926
PRIORITY APPLN. INFO.:				
			US 1997-60933P	P 19971003
			WO 1998-US20580	W 19981001
			US 2000-509227	A2 20000324
			US 2001-919061	A3 20010731

OTHER SOURCE(S): MARPAT 136:183608
GI



I

AB Title compds. (I; Q = (CH₂)_n; n = 0, 1; R₁ = H, Cl, F, Br; R₂ = H, Cl, F, Br, Me, MeO; R₃ = H, Cl, F; R₂ may not = Me or MeO when R₁ and R₃ both = H and n = 0, 1; and R₁, R₂ and R₃ may not all = H when n = 1), were prepared Thus, 4-bromobenzylsulfonylacetic acid reacted with 4-fluorobenzaldehyde to give 82% (E)-4-fluorostyryl 4-bromobenzyl sulfone. The latter inhibited growth of H157 non-small cell lung cancer cells with IC₅₀ <1.0 μM.

IT 93468-07-6P 118672-28-9P 118672-29-0P
136272-35-0P 222639-19-2P 222639-21-6P
222639-24-9P 222639-26-1P 222639-29-4P
222639-31-8P 222639-33-0P 300699-47-2P

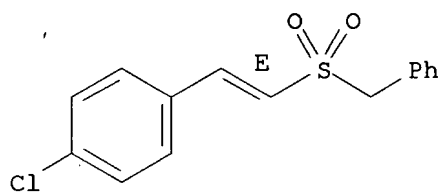
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of styryl aryl sulfones as anticancer agents)

RN 93468-07-6 CAPLUS

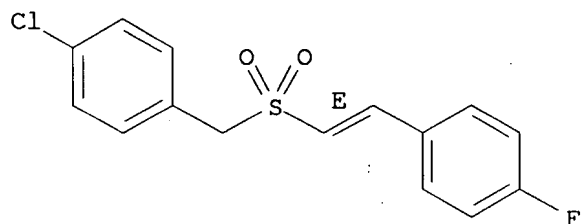
CN Benzene, 1-chloro-4-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



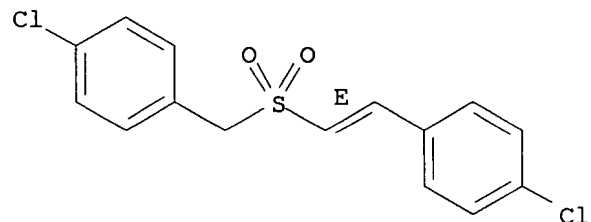
RN 118672-28-9 CAPLUS
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Double bond geometry as shown.



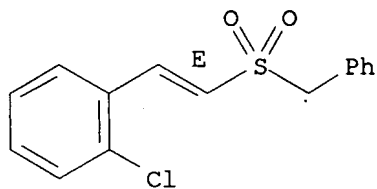
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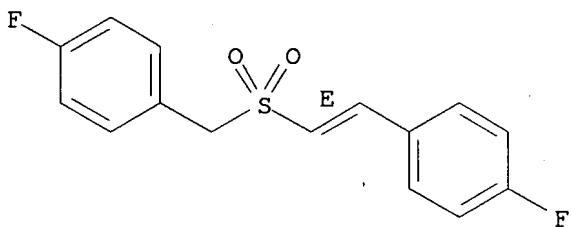
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 INDEX NAME)

Double bond geometry as shown.



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 (CA INDEX NAME)

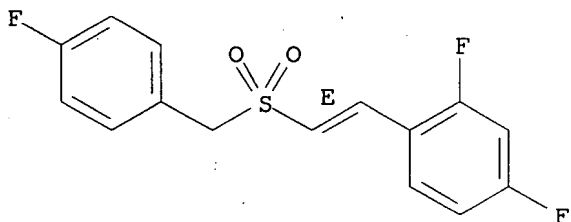
Double bond geometry as shown.



RN 222639-21-6 CAPLUS

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(9CI) (CA INDEX NAME)

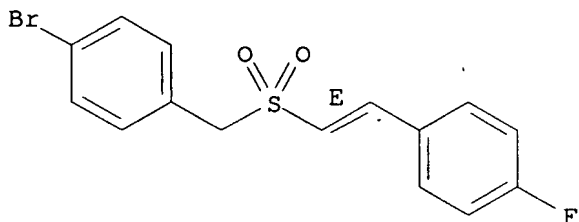
Double bond geometry as shown.



RN 222639-24-9 CAPLUS

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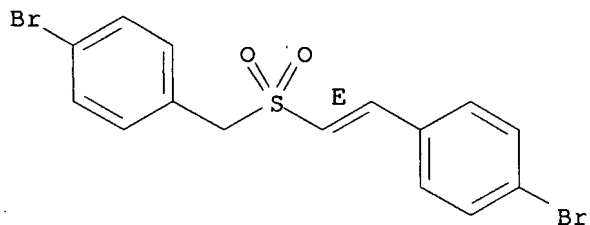
Double bond geometry as shown.



RN 222639-26-1 CAPLUS

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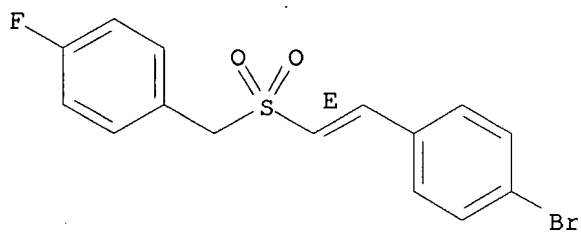
Double bond geometry as shown.



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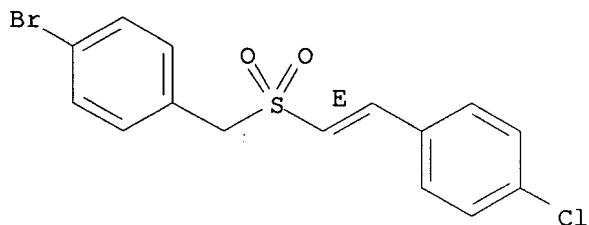
Double bond geometry as shown.



RN 222639-31-8 CAPLUS

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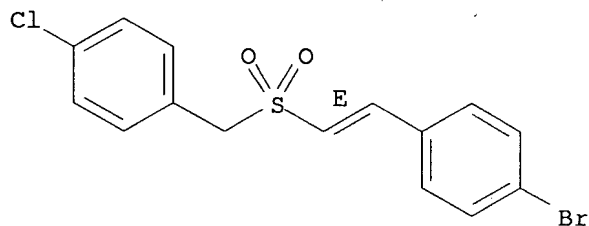
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RN 222639-33-0 CAPLUS

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(9CI) (CA INDEX NAME)

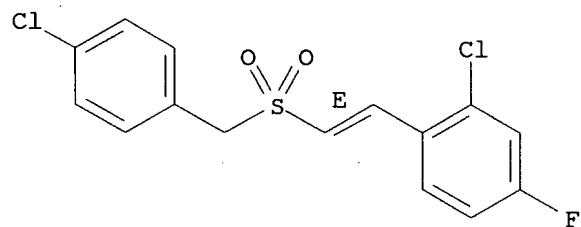
Double bond geometry as shown.



RN 300699-47-2 CAPLUS

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fluoro- (9CI) (CA INDEX NAME)

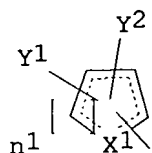
Double bond geometry as shown.



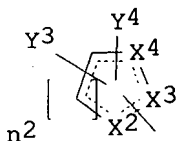
DOCUMENT NUMBER: 135:303783
 TITLE: Preparation of α,β -unsaturated sulfones for treating proliferative disorders
 INVENTOR(S): Reddy, E. Premkumar; Reddy, M. V. Ramana
 PATENT ASSIGNEE(S): Temple University - of the Commonwealth System of Higher Education, USA
 SOURCE: PCT Int. Appl., 60 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001078733	A1	20011025	WO 2001-US12133	20010413
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002028818	A1	20020307	US 2001-833834	20010412
US 6541475	B2	20030401		
CA 2405172	A1	20011025	CA 2001-2405172	20010413
EP 1292308	A1	20030319	EP 2001-925013	20010413
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
NZ 522715	A	20030926	NZ 2001-522715	20010413
JP 2003530439	T	20031014	JP 2001-576033	20010413
US 2003130339	A1	20030710	US 2002-301332	20021121
US 6599932	B2	20030729		
PRIORITY APPLN. INFO.:			US 2000-197368P	P 20000414
			US 2001-833834	A1 20010412
			WO 2001-US12133	W 20010413

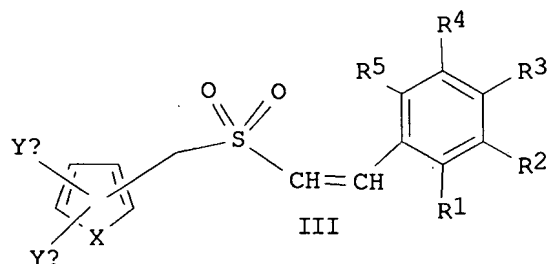
OTHER SOURCE(S): MARPAT 135:303783
 GI



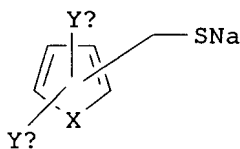
I



II



III



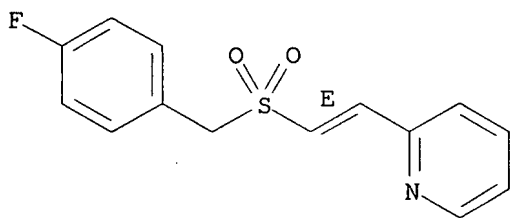
IV

AB Sulfones (E)-Q1CH2S(O)2CH:CHQ2 (I; e.g. (E)-2-pyridineethenyl 4-fluorobenzyl sulfone) and pharmaceutically acceptable salts thereof are useful as antiproliferative agents, including, for example, anticancer agents. In I, Q1 = (a) Ph radical R1R2R3R4R5C6 (R1, R2, R3, R4 and R5 independently = H, halogen, C1-C6 alkyl, C1-C6 alkoxy, nitro, cyano, carboxyl, hydroxyl, amino, C1-C6 trifluoroalkoxy and trifluoromethyl); (b) 1-naphthyl, 2-naphthyl and 9-anthryl; and (c) I wherein n1 = 1 or 2, Y1 and Y2 independently = H, halogen, and nitro, and X1 = O, N, S and S(O)2. Q2 = (d) Ph radical R1R2R3R4R5C6; (e) 1-naphthyl, 2-naphthyl and 9-anthryl; (f) an aromatic radical II wherein n1 = 1 or 2, Y3 and Y4 independently = H, halogen, and nitro, and X2, X3 and X4 independently = C, O, N, S and S(O)2 provided that not all of X2, X3 and X4 may be C; and (g) 1-piperazinyl; provided that at least one of Q1 or Q2 is other than a Ph radical according to R1R2R3R4R5C6. Sulfones III or pharmaceutically acceptable salts thereof are also useful as antiproliferative agents, including, for example, anticancer agents, wherein X is S or O; Ya and Yb independently = H, halogen, and nitro; and R1-R5 are defined as above. Various processes for preparing I and III are claimed, for example, Knoevenagel condensation of Q1CH2S(O)2CH2CO2H with Q2CHO. Q1CH2S(O)2CH2CO2H can be prepared by reacting Na glycolate with Q1CH2Cl to form Q1CH2SCH2CO2H that is then oxidized, or by reacting HSCH2CO2R (R = C1-C6 alkyl) with Q1CH2Cl to form Q1CH2SCH2CO2H and hydrolyzing this compound. In another example, IV can be reacted with R1R2R3R4R5C6C.tplbond.CH followed by oxidation to give III. Seventy-six example preps. are given. The effect of I on normal fibroblasts and on tumor cells of prostate, colon, lung and breast origin was examined; semiquant. results are tabulated for many of the example compds., e.g. (E)-3-furanethenyl 4-chlorobenzyl sulfone displayed >80% growth inhibition for all cell lines.

IT 334969-56-1P, (E)-2-Pyridineethenyl 4-fluorobenzyl sulfone
 334969-57-2P, (E)-3-Pyridineethenyl 4-fluorobenzyl sulfone
 334969-58-3P, (E)-4-Pyridineethenyl 4-fluorobenzyl sulfone
 334969-59-4P, (E)-2-Pyridineethenyl 4-chlorobenzyl sulfone
 334969-60-7P, (E)-3-Pyridineethenyl 4-chlorobenzyl sulfone
 334969-61-8P, (E)-4-Pyridineethenyl 4-chlorobenzyl sulfone
 334969-62-9P, (E)-2-Pyridineethenyl 4-bromobenzyl sulfone
 334969-63-0P, (E)-3-Pyridineethenyl 4-bromobenzyl sulfone
 334969-64-1P, (E)-4-Pyridineethenyl 4-bromobenzyl sulfone
 334969-65-2P, (E)-2-Thiopheneethenyl 4-fluorobenzyl sulfone
 334969-66-3P, (E)-2-Thiopheneethenyl 4-chlorobenzyl sulfone
 334969-67-4P, (E)-2-Thiopheneethenyl 4-bromobenzyl sulfone
 334969-68-5P, (E)-4-Bromo-2-thiopheneethenyl 4-fluorobenzyl sulfone
 334969-69-6P, (E)-4-Bromo-2-thiopheneethenyl 4-chlorobenzyl sulfone
 334969-70-9P, (E)-4-Bromo-2-thiopheneethenyl 4-bromobenzyl sulfone
 334969-71-0P, (E)-5-Bromo-2-thiopheneethenyl 4-fluorobenzyl sulfone
 334969-72-1P, (E)-5-Bromo-2-thiopheneethenyl 4-chlorobenzyl sulfone
 334969-73-2P, (E)-5-Bromo-2-thiopheneethenyl 4-bromobenzyl sulfone
 334969-74-3P, (E)-1,1-Dioxo-2-Thiopheneethenyl 4-fluorobenzyl sulfone
 334969-75-4P, (E)-1,1-Dioxo-2-Thiopheneethenyl 4-chlorobenzyl sulfone
 334969-76-5P, (E)-1,1-Dioxo-2-Thiopheneethenyl 4-bromobenzyl sulfone
 334969-77-6P, (E)-3-Thiopheneethenyl 4-fluorobenzyl sulfone
 334969-78-7P, (E)-3-Thiopheneethenyl 4-chlorobenzyl sulfone
 334969-79-8P, (E)-3-Thiopheneethenyl 4-bromobenzyl sulfone
 334969-80-1P, (E)-3-Thiopheneethenyl 4-iodobenzyl sulfone
 334969-81-2P, (E)-3-Thiopheneethenyl-4-methylbenzyl sulfone
 334969-82-3P, (E)-3-Thiopheneethenyl 4-methoxybenzyl sulfone
 334969-84-5P, (E)-3-Thiopheneethenyl 2,4-dichlorobenzyl sulfone
 334969-85-6P, (E)-3-Thiopheneethenyl 3,4-dichlorobenzyl sulfone
 334969-86-7P, (E)-3-Thiopheneethenyl 4-cyanobenzyl sulfone
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 334969-88-9P,

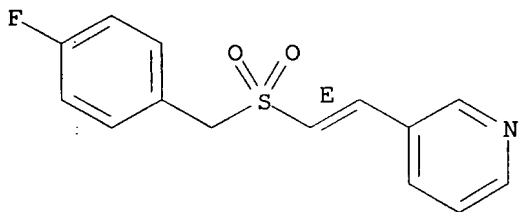
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 sulfone 334969-90-3P, (E)-1,1-Dioxo-3-Thiopheneethenyl
 4-bromobenzyl sulfone 334969-91-4P, (E)-1,1-Dioxo-3-
 Thiopheneethenyl 4-methoxybenzyl sulfone 334969-92-5P,
 (E)-1,1-Dioxo-3-Thiopheneethenyl 2,4-dichlorobenzyl sulfone
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 334969-94-7P, (E)-2-Furanethenyl 4-chlorobenzyl sulfone
 334969-95-8P, (E)-2-Furanethenyl 4-bromobenzyl sulfone
 334969-96-9P, (E)-3-Furanethenyl 4-fluorobenzyl sulfone
 334969-97-0P, (E)-3-Furanethenyl 4-chlorobenzyl sulfone
 334969-98-1P, (E)-3-Furanethenyl 4-bromobenzyl sulfone
 334969-99-2P, (E)-3-Furanethenyl 4-iodobenzyl sulfone
 334970-00-2P, (E)-3-Furanethenyl-4-methylbenzylsulfone
 334970-01-3P, (E)-3-Furanethenyl 4-methoxybenzyl sulfone
 334970-02-4P, (E)-3-Furanethenyl-4-trifluoromethylbenzylsulfone
 334970-03-5P, (E)-3-Furanethenyl 2,4-dichlorobenzyl sulfone
 334970-04-6P, (E)-3-Furanethenyl 3,4-dichlorobenzyl sulfone
 334970-05-7P, (E)-3-Furanethenyl 4-cyanobenzyl sulfone
 334970-06-8P, (E)-3-Furanethenyl 4-nitrobenzyl sulfone
 334970-08-0P, (E)-2-Pyrroleethenyl 4-chlorobenzyl sulfone
 334970-09-1P, (E)-2-Pyrroleethenyl 4-bromobenzyl sulfone
 334970-10-4P, (E)-2-Nitro-4-thiopheneethenyl 4-chlorobenzyl
 sulfone 334970-11-5P, (E)-2-Nitro-4-thiopheneethenyl
 4-iodobenzyl sulfone 334970-12-6P, (E)-2-Nitro-4-
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 334970-15-9P, (E)-2-Naphthaleneethenyl 4-fluorobenzyl sulfone
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 334970-17-1P, (E)-2-Naphthaleneethenyl 4-chlorobenzyl sulfone
 334970-18-2P, (E)-1-Naphthaleneethenyl 4-bromobenzyl sulfone
 334970-19-3P, (E)-2-Naphthaleneethenyl 4-bromobenzyl sulfone
 334970-20-6P, (E)-4-Fluorostyryl 1-naphthylmethyl sulfone
 334970-21-7P, (E)-4-Chlorostyryl 1-naphthylmethyl sulfone
 334970-22-8P, (E)-4-Bromostyryl 1-naphthylmethyl sulfone
 334970-23-9P, (E)-2-Nitrostyryl 1-naphthylmethyl sulfone
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 sulfone 367266-56-6P 367266-57-7P 367266-58-8P
 367266-59-9P, (E)-9-Anthraceneethenyl 4-fluorobenzyl sulfone
 367266-60-2P, (E)-9-Anthraceneethenyl 4-chlorobenzyl sulfone
 367266-61-3P, (E)-9-Anthraceneethenyl 4-bromobenzyl sulfone
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of α,β -unsatd. sulfones for treating proliferative
 disorders)
 RN 334969-56-1 CAPLUS
 CN Pyridine, 2-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



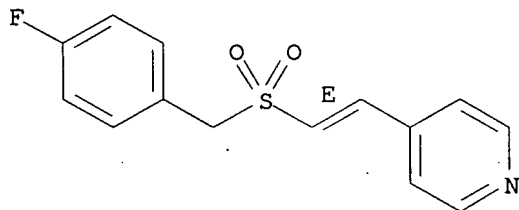
RN 334969-57-2 CAPLUS
 CN Pyridine, 3-[(1E)-2-[[(4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



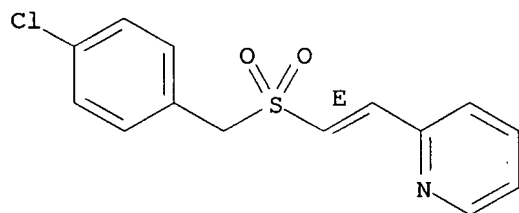
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 CN Pyridine, 4-[(1E)-2-[[(4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



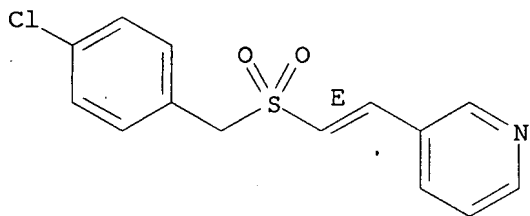
RN 334969-59-4 CAPLUS
 CN Pyridine, 2-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



RN 334969-60-7 CAPLUS
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 INDEX NAME)

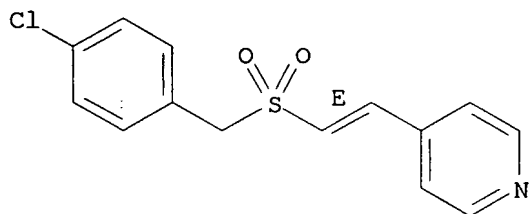
Double bond geometry as shown.



RN 334969-61-8 CAPLUS

CN Pyridine, 4-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]- (CA INDEX NAME)

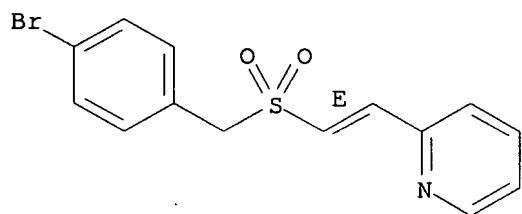
Double bond geometry as shown.



RN 334969-62-9 CAPLUS

CN Pyridine, 2-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

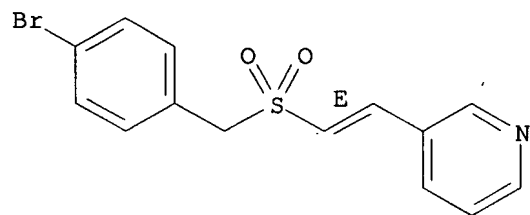
Double bond geometry as shown.



RN 334969-63-0 CAPLUS

CN Pyridine, 3-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

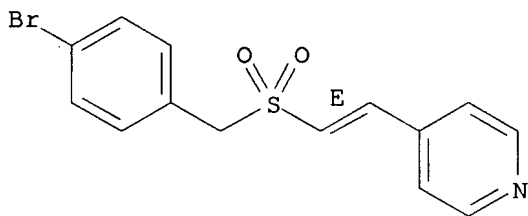
Double bond geometry as shown.



RN 334969-64-1 CAPLUS

CN Pyridine, 4-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

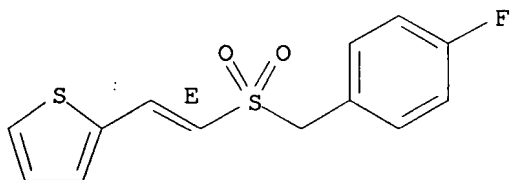
Double bond geometry as shown.



RN 334969-65-2 CAPLUS

CN Thiophene, 2-[(1E)-2-[(4-fluorophenyl)methylsulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

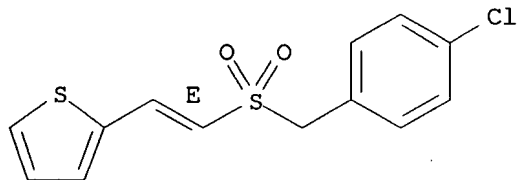
Double bond geometry as shown.



RN 334969-66-3 CAPLUS

CN Thiophene, 2-[(1E)-2-[(4-chlorophenyl)methylsulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

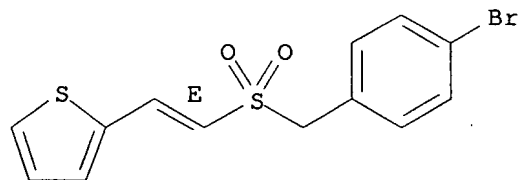
Double bond geometry as shown.



RN 334969-67-4 CAPLUS

CN Thiophene, 2-[(1E)-2-[(4-bromophenyl)methylsulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

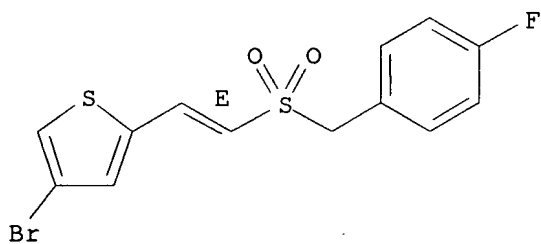
Double bond geometry as shown.



RN 334969-68-5 CAPLUS

CN Thiophene, 4-bromo-2-[(1E)-2-[(4-fluorophenyl)methylsulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

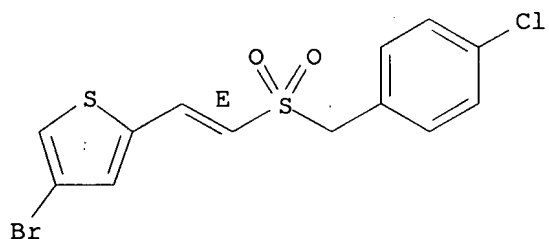
Double bond geometry as shown.



RN 334969-69-6 CAPLUS

CN Thiophene, 4-bromo-2-[(1E)-2-[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

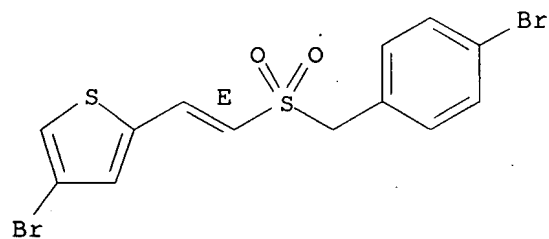
Double bond geometry as shown.



RN 334969-70-9 CAPLUS

CN Thiophene, 4-bromo-2-[(1E)-2-[(4-bromophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

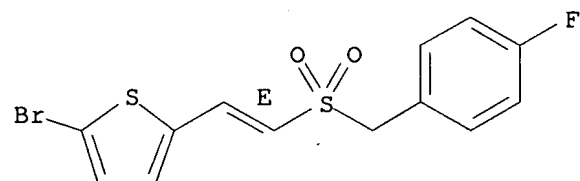
Double bond geometry as shown.



RN 334969-71-0 CAPLUS

CN Thiophene, 2-bromo-5-[(1E)-2-[(4-fluorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

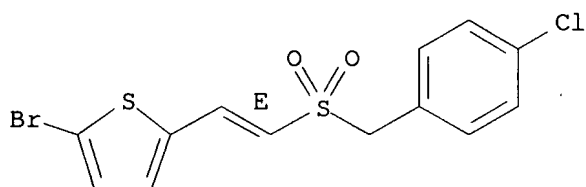
Double bond geometry as shown.



RN 334969-72-1 CAPLUS

CN Thiophene, 2-bromo-5-[(1E)-2-[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

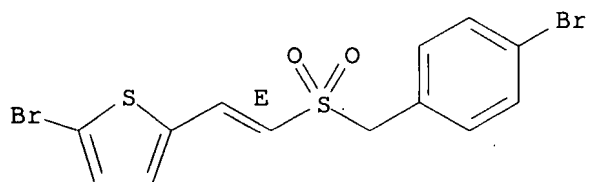
Double bond geometry as shown.



RN 334969-73-2 CAPLUS

CN Thiophene, 2-bromo-5-[(1E)-2-[(4-bromophenyl)methyl]sulfonyl]ethenyl]-
(9CI). (CA INDEX NAME)

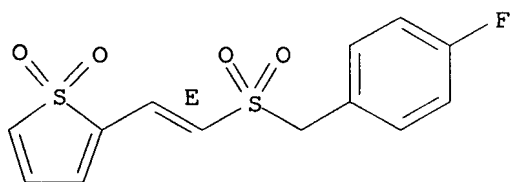
Double bond geometry as shown.



RN 334969-74-3 CAPLUS

CN Thiophene, 2-[(1E)-2-[(4-fluorophenyl)methyl]sulfonyl]ethenyl]-,
1,1-dioxide (9CI) (CA INDEX NAME)

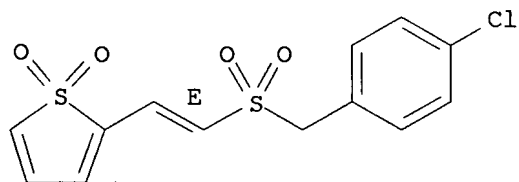
Double bond geometry as shown.



RN 334969-75-4 CAPLUS

CN Thiophene, 2-[(1E)-2-[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-,
1,1-dioxide (9CI) (CA INDEX NAME)

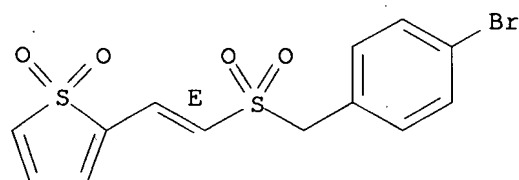
Double bond geometry as shown.



RN 334969-76-5 CAPLUS

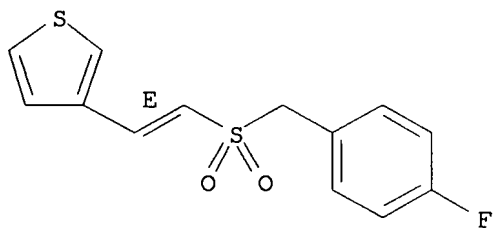
CN Thiophene, 2-[(1E)-2-[(4-bromophenyl)methyl]sulfonyl]ethenyl]-,
1,1-dioxide (9CI) (CA INDEX NAME)

Double bond geometry as shown.



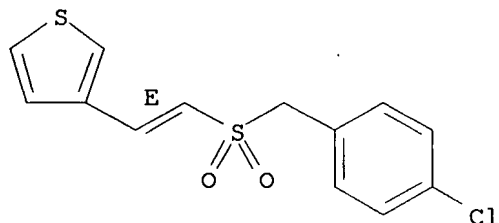
RN 334969-77-6 CAPLUS
CN Thiophene, 3-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



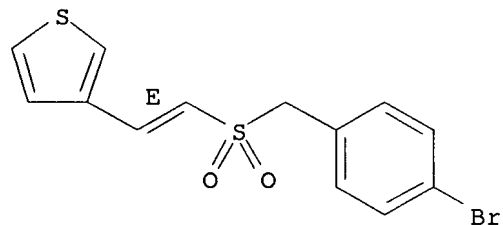
RN 334969-78-7 CAPLUS
CN Thiophene, 3-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



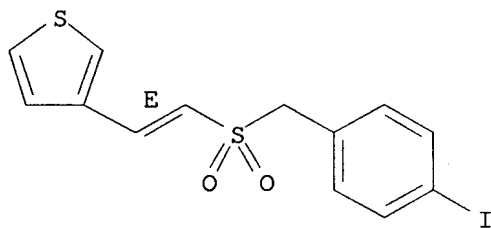
RN 334969-79-8 CAPLUS
CN Thiophene, 3-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

Double bond geometry as shown.



RN 334969-80-1 CAPLUS
CN Thiophene, 3-[(1E)-2-[[4-iodophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

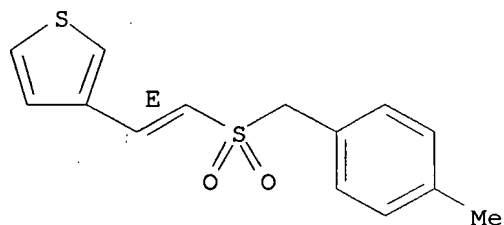
Double bond geometry as shown.



RN 334969-81-2 CAPLUS

CN Thiophene, 3-[(1E)-2-[[4-methylphenyl]methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

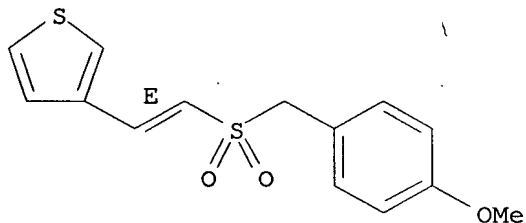
Double bond geometry as shown.



RN 334969-82-3 CAPLUS

CN Thiophene, 3-[(1E)-2-[[4-methoxyphenyl]methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

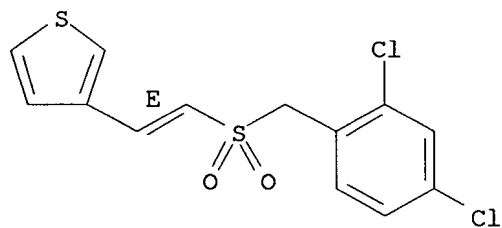
Double bond geometry as shown.



RN 334969-84-5 CAPLUS

CN Thiophene, 3-[(1E)-2-[[2,4-dichlorophenyl]methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

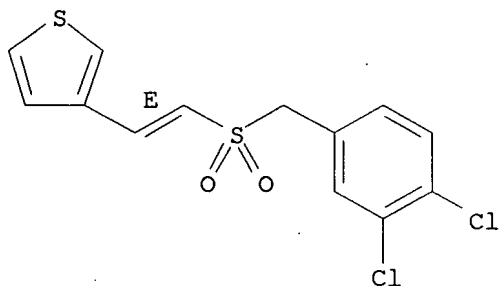
Double bond geometry as shown.



RN 334969-85-6 CAPLUS

CN Thiophene, 3-[(1E)-2-[[3,4-dichlorophenyl]methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

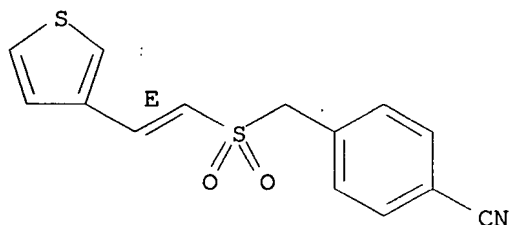
Double bond geometry as shown.



RN 334969-86-7 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(3-thienyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

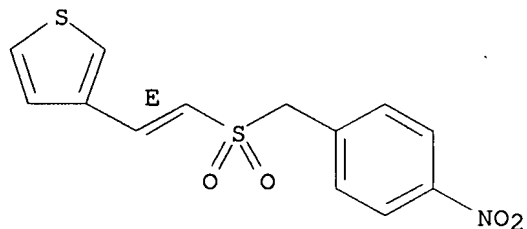
Double bond geometry as shown.



RN 334969-87-8 CAPLUS

CN Thiophene, 3-[(1E)-2-[[[4-nitrophenyl]methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

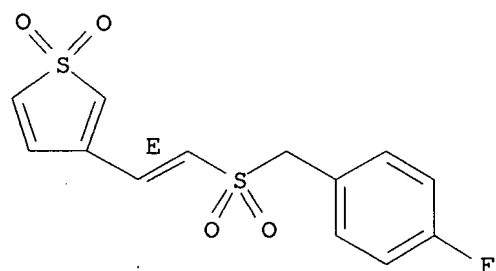
Double bond geometry as shown.



RN 334969-88-9 CAPLUS

CN Thiophene, 3-[(1E)-2-[[[4-fluorophenyl]methyl]sulfonyl]ethenyl]-, 1,1-dioxide (9CI) (CA INDEX NAME)

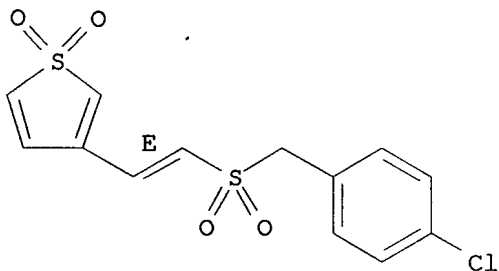
Double bond geometry as shown.



RN 334969-89-0 CAPLUS

CN Thiophene, 3-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-, 1,1-dioxide (9CI) (CA INDEX NAME)

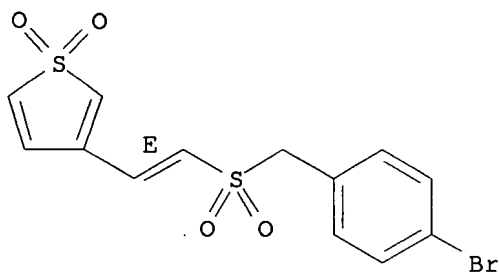
Double bond geometry as shown.



RN 334969-90-3 CAPLUS

CN Thiophene, 3-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-, 1,1-dioxide (9CI) (CA INDEX NAME)

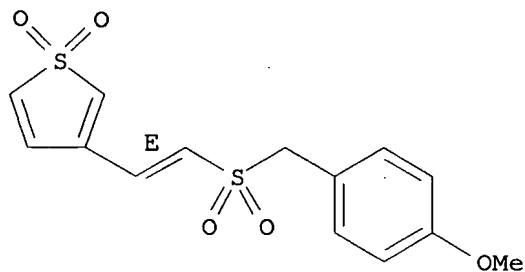
Double bond geometry as shown.



RN 334969-91-4 CAPLUS

CN Thiophene, 3-[(1E)-2-[[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]-, 1,1-dioxide (9CI) (CA INDEX NAME)

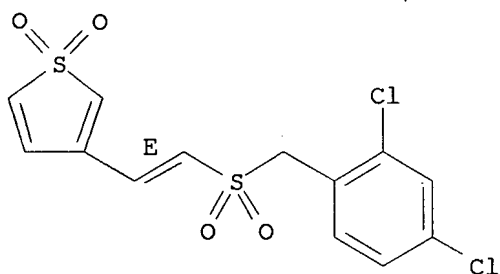
Double bond geometry as shown.



RN 334969-92-5 CAPLUS

CN Thiophene, 3-[(1E)-2-[[[2,4-dichlorophenyl)methyl]sulfonyl]ethenyl]-, 1,1-dioxide (9CI) (CA INDEX NAME)

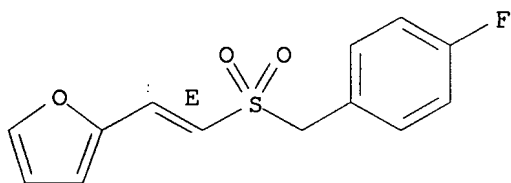
Double bond geometry as shown.



RN 334969-93-6 CAPLUS

CN Furan, 2-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

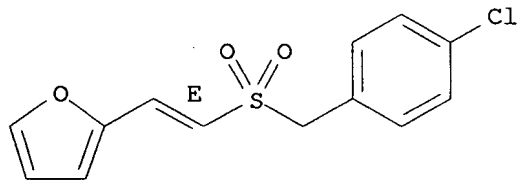
Double bond geometry as shown.



RN 334969-94-7 CAPLUS

CN Furan, 2-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

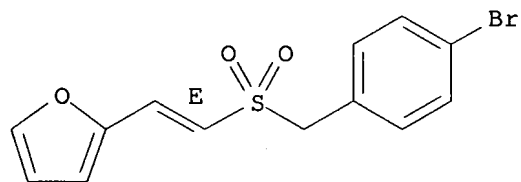
Double bond geometry as shown.



RN 334969-95-8 CAPLUS

CN Furan, 2-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

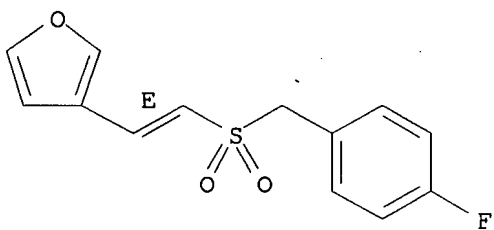
Double bond geometry as shown.



RN 334969-96-9 CAPLUS

CN Furan, 3-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

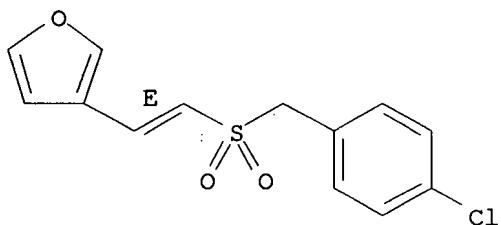
Double bond geometry as shown.



RN 334969-97-0 CAPLUS

CN Furan, 3-[(1E)-2-[[4-chlorophenyl]methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

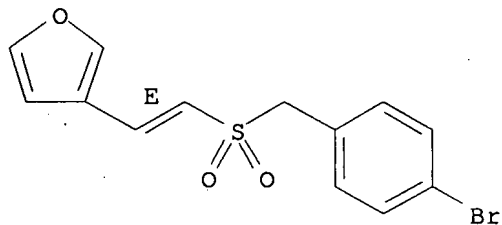
Double bond geometry as shown.



RN 334969-98-1 CAPLUS

CN Furan, 3-[(1E)-2-[[4-bromophenyl]methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

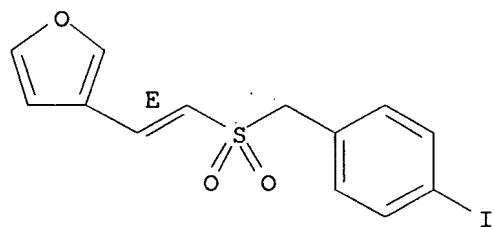
Double bond geometry as shown.



RN 334969-99-2 CAPLUS

CN Furan, 3-[(1E)-2-[[4-iodophenyl]methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

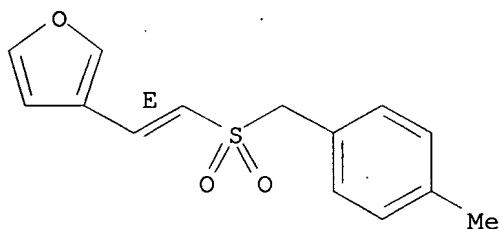
Double bond geometry as shown.



RN 334970-00-2 CAPLUS

CN Furan, 3-[(1E)-2-[[4-methylphenyl]methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

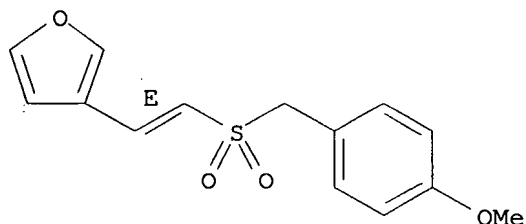
Double bond geometry as shown.



RN 334970-01-3 CAPLUS

CN Furan, 3-[(1E)-2-[[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

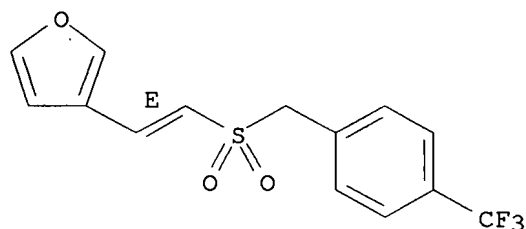
Double bond geometry as shown.



RN 334970-02-4 CAPLUS

CN Furan, 3-[(1E)-2-[[[4-(trifluoromethyl)phenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

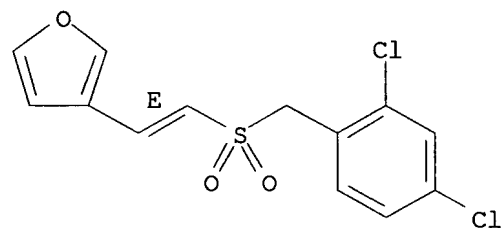
Double bond geometry as shown.



RN 334970-03-5 CAPLUS

CN Furan, 3-[(1E)-2-[[[2,4-dichlorophenyl)methyl]sulfonyl]ethenyl]- (CA INDEX NAME)

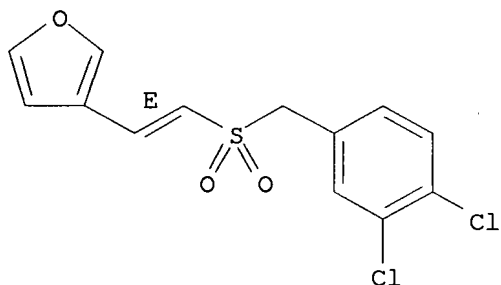
Double bond geometry as shown.



RN 334970-04-6 CAPLUS

CN Furan, 3-[(1E)-2-[[[3,4-dichlorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

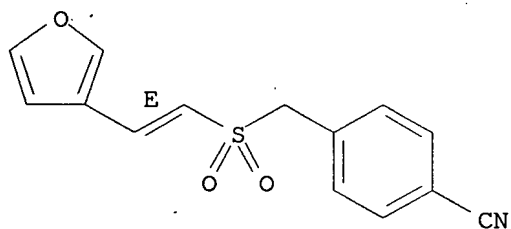
Double bond geometry as shown.



RN 334970-05-7 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(3-furanyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

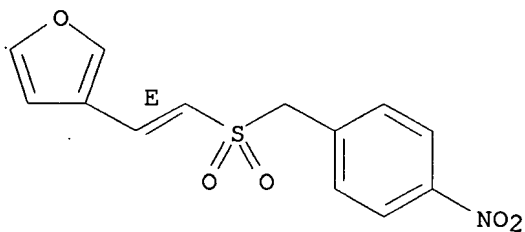
Double bond geometry as shown.



RN 334970-06-8 CAPLUS

CN Furan, 3-[(1E)-2-[[[4-nitrophenyl]methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

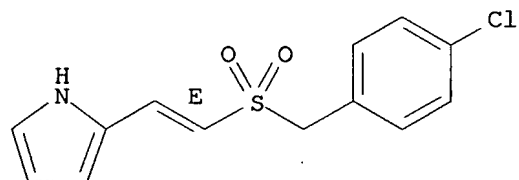
Double bond geometry as shown.



RN 334970-08-0 CAPLUS

CN 1H-Pyrrole, 2-[(1E)-2-[[[4-chlorophenyl]methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

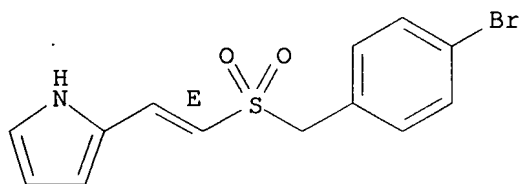


RN 334970-09-1 CAPLUS

CN 1H-Pyrrole, 2-[(1E)-2-[[[4-bromophenyl]methyl]sulfonyl]ethenyl]- (9CI)

(CA INDEX NAME)

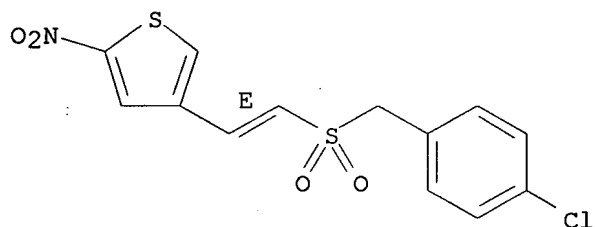
Double bond geometry as shown.



RN 334970-10-4 CAPLUS

CN Thiophene, 4-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-2-nitro-
(9CI) (CA INDEX NAME)

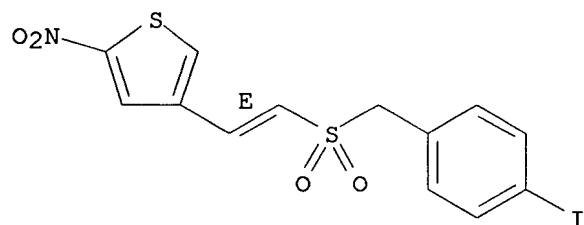
Double bond geometry as shown.



RN 334970-11-5 CAPLUS

CN Thiophene, 4-[(1E)-2-[[4-iodophenyl)methyl]sulfonyl]ethenyl]-2-nitro-
(9CI) (CA INDEX NAME)

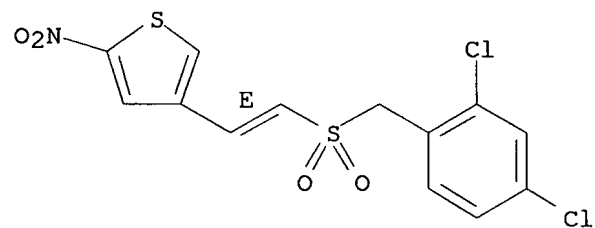
Double bond geometry as shown.



RN 334970-12-6 CAPLUS

CN Thiophene, 4-[(1E)-2-[[2,4-dichlorophenyl)methyl]sulfonyl]ethenyl]-2-nitro-
(9CI) (CA INDEX NAME)

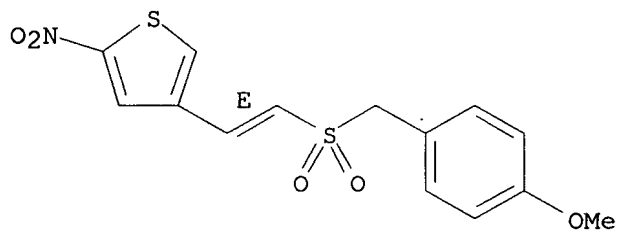
Double bond geometry as shown.



RN 334970-13-7 CAPLUS

CN Thiophene, 4-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]-2-nitro-
(9CI) (CA INDEX NAME)

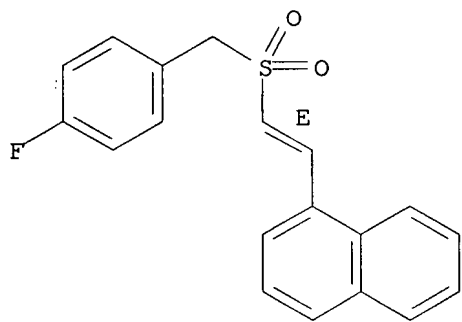
Double bond geometry as shown.



RN 334970-14-8 CAPLUS

CN Naphthalene, 1-[(1E)-2-[[4-fluorophenyl]methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

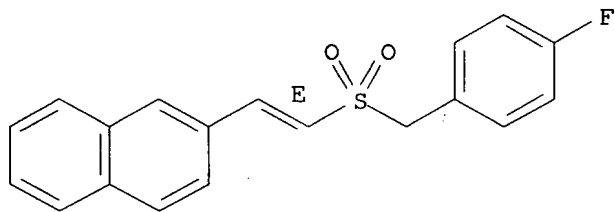
Double bond geometry as shown.



RN 334970-15-9 CAPLUS

CN Naphthalene, 2-[(1E)-2-[[4-fluorophenyl]methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

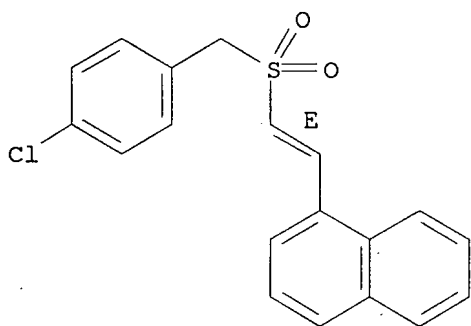
Double bond geometry as shown.



RN 334970-16-0 CAPLUS

CN Naphthalene, 1-[(1E)-2-[[4-chlorophenyl]methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

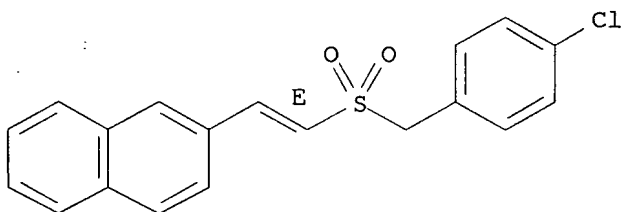
Double bond geometry as shown.



RN 334970-17-1 CAPLUS

CN Naphthalene, 2-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

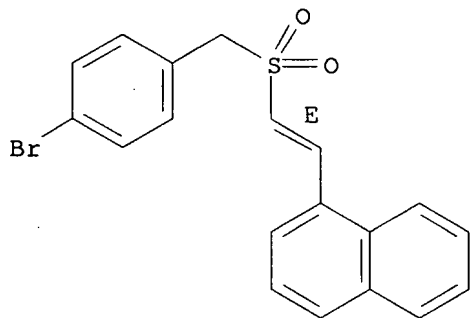
Double bond geometry as shown.



RN 334970-18-2 CAPLUS

CN Naphthalene, 1-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

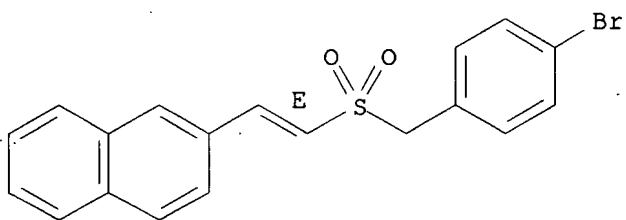
Double bond geometry as shown.



RN 334970-19-3 CAPLUS

CN Naphthalene, 2-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

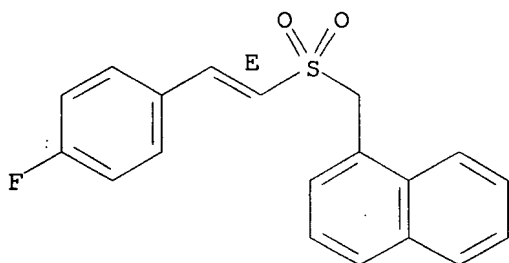
Double bond geometry as shown.



RN 334970-20-6 CAPLUS

CN Naphthalene, 1-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

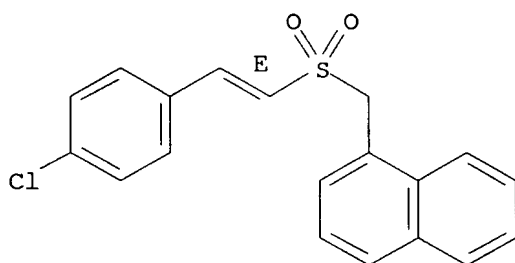
Double bond geometry as shown.



RN 334970-21-7 CAPLUS

CN Naphthalene, 1-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

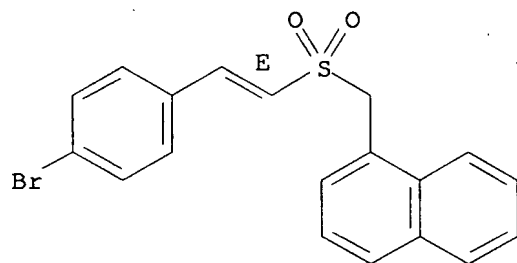
Double bond geometry as shown.



RN 334970-22-8 CAPLUS

CN Naphthalene, 1-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

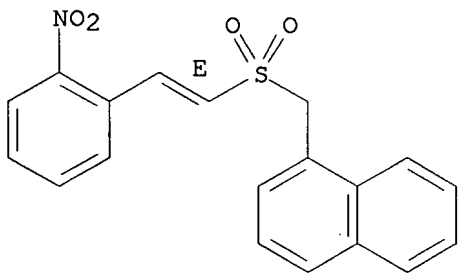
Double bond geometry as shown.



RN 334970-23-9 CAPLUS

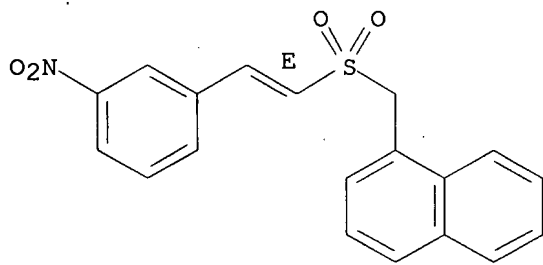
CN Naphthalene, 1-[[[(1E)-2-(2-nitrophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



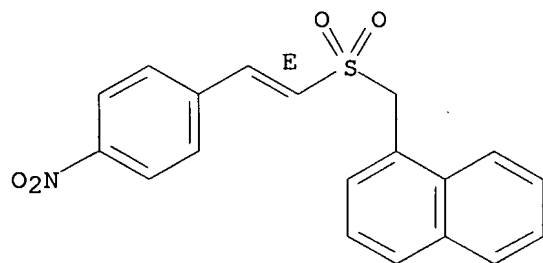
RN 334970-24-0 CAPLUS
CN Naphthalene, 1-[[[(1E)-2-(3-nitrophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



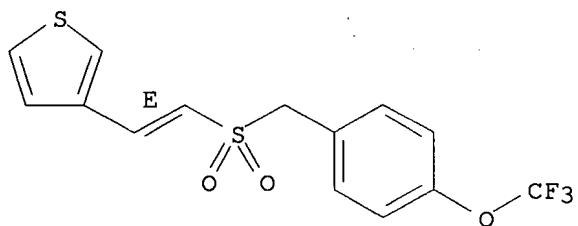
RN 334970-25-1 CAPLUS
CN Naphthalene, 1-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



RN 367266-53-3 CAPLUS
CN Thiophene, 3-[(1E)-2-[[[4-(trifluoromethoxy)phenyl]methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

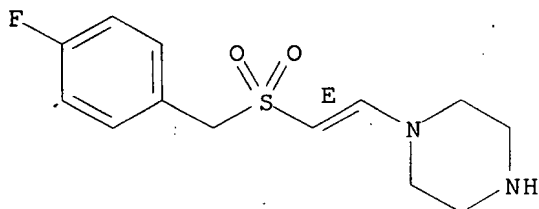
Double bond geometry as shown.



RN 367266-56-6 CAPLUS

CN Piperazine, 1-[(1E)-2-[[(4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

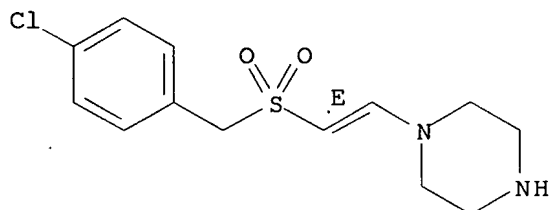
Double bond geometry as shown.



RN 367266-57-7 CAPLUS

CN Piperazine, 1-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

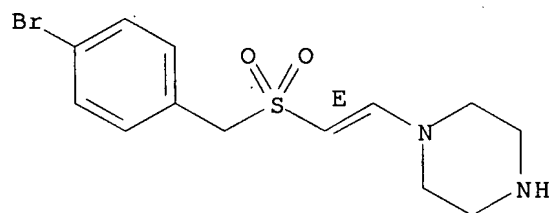
Double bond geometry as shown.



RN 367266-58-8 CAPLUS

CN Piperazine, 1-[(1E)-2-[[(4-bromophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

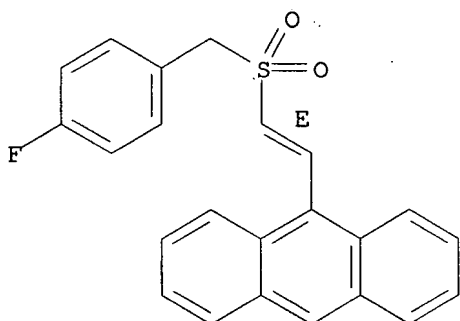
Double bond geometry as shown.



RN 367266-59-9 CAPLUS

CN Anthracene, 9-[(1E)-2-[[(4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

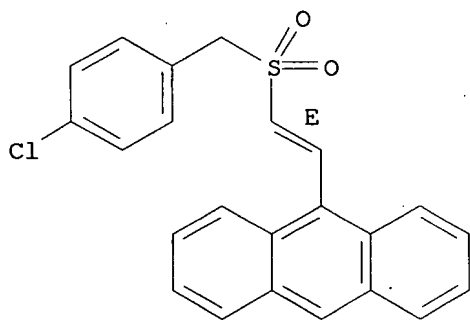
Double bond geometry as shown.



RN 367266-60-2 CAPLUS

CN Anthracene, 9-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

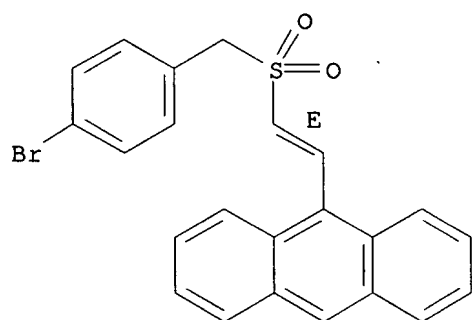
Double bond geometry as shown.



RN 367266-61-3 CAPLUS

CN Anthracene, 9-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT:

1

THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 36 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:780671 CAPLUS

DOCUMENT NUMBER: 135:303672

TITLE: Preparation of substituted styryl benzyl sulfones for
treating proliferative disorders

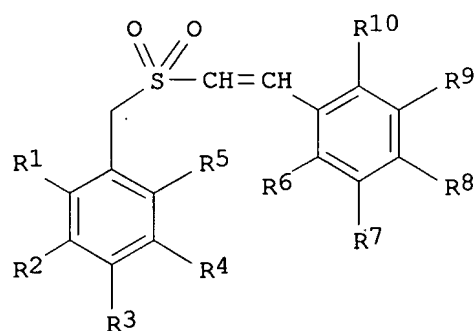
INVENTOR(S): Reddy, E. Premkumar; Reddy, M. V. Ramana

PATENT ASSIGNEE(S): Temple University, USA

SOURCE: PCT Int. Appl., 63 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001078712	A1	20011025	WO 2001-US12134	20010413
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002115643	A1	20020822	US 2001-833287	20010412
US 6486210	B2	20021126		
CA 2406212	A1	20011025	CA 2001-2406212	20010413
AU 200151615	A	20011030	AU 2001-51615	20010413
EP 1305015	A1	20030502	EP 2001-925014	20010413
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003530433	T	20031014	JP 2001-576013	20010413
NZ 522551	A	20040326	NZ 2001-522551	20010413
US 2003036536	A1	20030220	US 2002-207429	20020729
US 6642410	B2	20031104		
IN 2002DN01077	A	20050128	IN 2002-DN1077	20021030
IN 2002DN01079	A	20050128	IN 2002-DN1079	20021030
PRIORITY APPLN. INFO.:				
			US 2000-197849P	P 20000414
			US 2000-234707P	P 20000922
			US 2001-271640P	P 20010227
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			WO 2001-US12134	W 20010413

OTHER SOURCE(S): MARPAT 135:303672
 GI



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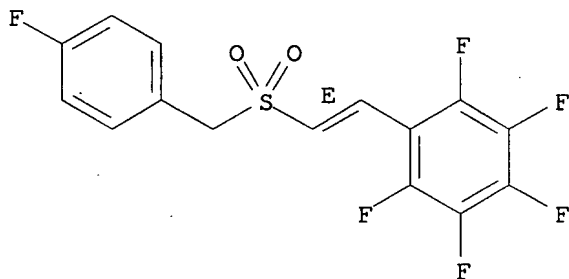
AB Styryl benzyl sulfones (I; e.g. (E)-2,3,4,5,6-Pentafluorostyryl 4-fluorobenzyl sulfone), or a pharmaceutically acceptable salt thereof, are useful as antiproliferative agents, including, for example, anticancer agents. In said formula, (a) (i) at least three of R₁, R₂, R₃, R₄ and R₅ are independently selected from the group consisting of halogen, C₁-C₆ alkyl, C₁-C₆ alkoxy, nitro, cyano, carboxyl, hydroxyl, phosphonato, amino, sulfamyl, acetoxyl, dimethylamino (C₂-C₆ alkoxy) and trifluoromethyl, and the balance of said R₁, R₂, R₃, R₄ and R₅ are independently selected from

the group consisting of H, halogen, C1-C6 alkyl, C1-C6 alkoxy, nitro, cyano, carboxyl, hydroxyl, phosphonato, amino, sulfamyl, acetoxy, dimethylamino(C2-C6 alkoxy) and trifluoromethyl; and (ii) R6, R7, R8, R9, and R10 are independently selected from the group consisting of H, halogen, C1-C6 alkyl, C1-C6 alkoxy, nitro, cyano, carboxyl, hydroxyl, phosphonato, amino, sulfamyl, acetoxy, dimethylamino(C2-C6 alkoxy) and trifluoromethyl. Or (b) (i) at least three of R6, R7, R8, R9, and R10 are independently selected from the group consisting of halogen, C1-C6 alkyl, C1-C6 alkoxy, nitro, cyano, carboxyl, hydroxyl, phosphonato, amino, sulfamyl, acetoxy, dimethylamino(C2-C6 alkoxy) and trifluoromethyl, and the balance of said R6, R7, R8, R9, and R10 are independently selected from the group consisting of H, halogen, C1-C6 alkyl, C1-C6 alkoxy, nitro, cyano, carboxyl, hydroxyl, phosphonato, amino, sulfamyl, acetoxy, dimethylamino(C2-C6 alkoxy) and trifluoromethyl; and (ii) R1, R2, R3, R4 and R5 are independently selected from the group consisting of H, halogen, C1-C6 alkyl, C1-C6 alkoxy, nitro, cyano, carboxyl. Various processes for preparing I are claimed. For example, condensing R1R2R3R4R5C6CH2S(O)2CH2CO2H with R6R7R8R9R10C6CHO gives a compound with E configuration; R1R2R3R4R5C6CH2S(O)2CH2CO2H can be prepared by reacting Na glycolate with R1R2R3R4R5C6CH2Cl to form a benzylthioacetic acid that is then oxidized. The benzylthioacetic acid can also be prepared by reacting HSCH2CO2R (R = C1-C6 alkyl) with R1R2R3R4R5C6CH2Cl to form R1R2R3R4R5C6CH2SCH2CO2R and hydrolyzing this compound to obtain said benzylthioacetic acid. In another example, R1R2R3R4R5C6CH2SNa can be reacted with R6R7R8R9R10C6C.tplbond.CH followed by oxidation to give a product with Z configuration. Fifty-three example preps. are given. The effect of the (E)-styryl benzyl sulfones on normal fibroblasts and on tumor cells of prostate, colon, lung and breast origin was examined; each compound tested showed activity, inducing cell death against all tumor cell lines, in $\geq 5-10\%$ of the treated cells.

- IT 334969-19-6P, (E)-2,3,4,5,6-Pentafluorostyryl 4-fluorobenzyl sulfone 334969-20-9P, (E)-2,3,4,5,6-Pentafluorostyryl 4-chlorobenzyl sulfone 334969-21-0P, (E)-2,3,4,5,6-Pentafluorostyryl 4-bromobenzyl sulfone 334969-22-1P, (E)-2,3,4,5,6-Pentafluorostyryl 3,4-dichlorobenzyl sulfone 334969-23-2P, (E)-2,3,4,5,6-Pentafluorostyryl 2,3,4,5,6-pentafluorobenzyl sulfone 334969-24-3P, (E)-2,3,4,5,6-Pentafluorostyryl 4-iodobenzyl sulfone 334969-25-4P, (E)-2-Hydroxy-3,5-dinitrostyryl 4-fluorobenzyl sulfone 334969-26-5P, (E)-2-Hydroxy-3,5-dinitrostyryl 4-bromobenzyl sulfone 334969-27-6P, (E)-2-Hydroxy-3,5-dinitrostyryl 4-chlorobenzyl sulfone 334969-28-7P, (E)-2-Hydroxy-3,5-dinitrostyryl 2,4-dichlorobenzyl sulfone 334969-29-8P, (E)-2,4,6-Trimethoxystyryl 4-methoxybenzyl sulfone 334969-30-1P, (E)-3-Methyl-2,4-dimethoxystyryl 4-methoxybenzyl sulfone 334969-31-2P, (E)-3,4,5-Trimethoxystyryl 4-methoxybenzyl sulfone 334969-32-3P, (E)-3,4,5-Trimethoxystyryl 2-nitro-4,5-dimethoxybenzyl sulfone 334969-33-4P, (E)-2,4,6-Trimethoxystyryl 2-nitro-4,5-dimethoxybenzyl sulfone 334969-34-5P, (E)-3-Methyl-2,4-dimethoxystyryl 2-nitro-4,5-dimethoxybenzyl sulfone 334969-35-6P, (E)-2,3,4-Trifluorostyryl 4-fluorobenzyl sulfone 334969-36-7P, (E)-2,3,4-Trifluorostyryl 4-chlorobenzyl sulfone 334969-37-8P, (E)-2,6-Dimethoxy-4-hydroxystyryl 4-methoxybenzyl sulfone 334969-38-9P, (E)-2,3,5,6-Tetrafluorostyryl 4-methoxybenzyl sulfone 334969-39-0P, (E)-2,4,5-Trimethoxystyryl 4-methoxybenzyl sulfone 334969-40-3P, (E)-2,3,4-Trimethoxystyryl 4-methoxybenzyl sulfone 334969-41-4P, (E)-3-Nitro-4-hydroxy-5-methoxystyryl 4-methoxybenzyl sulfone 334969-42-5P, (E)-3,4-Dimethoxy-6-nitrostyryl 4-methoxybenzyl sulfone 334969-43-6P, (E)-3,4-Dimethoxy-5-iodostyryl 4-methoxybenzyl sulfone 334969-44-7P, (E)-2,6-Dimethoxy-4-fluorostyryl 4-methoxybenzyl sulfone 334969-45-8P, (E)-2-Hydroxy-4,6-dimethoxystyryl 4-methoxybenzyl sulfone 334969-46-9P,

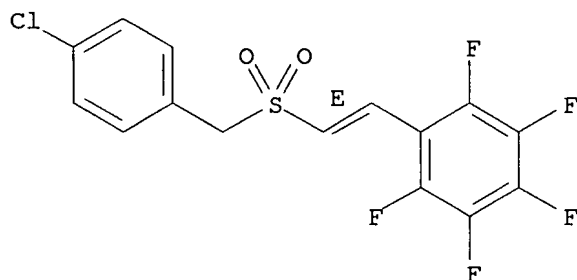
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 (E)-2,6-Dimethoxy-4-fluorostyryl 4-chlorobenzyl sulfone
 334969-49-2P, (E)-2-Hydroxy-4,6-dimethoxystyryl 4-chlorobenzyl
 sulfone 334969-50-5P, (E)-2,4,6-Trimethoxystyryl 4-bromobenzyl
 sulfone 334969-51-6P, (E)-2,6-Dimethoxy-4-fluorostyryl
 4-bromobenzyl sulfone 334969-52-7P, (E)-2,4,6-Trimethoxystyryl
 2,3,4-trimethoxybenzyl sulfone 334969-53-8P,
 (E)-2,6-Dimethoxystyryl 2,3,4-trimethoxybenzyl sulfone
 334969-54-9P, (E)-2,4,6-Trimethoxystyryl 3,4,5-trimethoxybenzyl
 sulfone 334969-55-0P, (E)-2,6-Dimethoxystyryl
 3,4,5-trimethoxybenzyl sulfone 366807-70-7P 366807-72-9P
 366807-74-1P 366807-77-4P 366807-78-5P
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 366807-90-1P 366807-93-4P 366807-97-8P,
 (Z)-3-Methoxy-4-acetoxystyryl 2,4,5-trimethoxybenzyl sulfone
 366808-02-8P, (Z)-3,4-Dihydroxystyryl 2,4,6-trimethoxybenzyl
 sulfone 366808-08-4P 366808-12-0P, (Z)-2-Hydroxystyryl
 2,4,6-trimethoxybenzyl sulfone 366808-16-4P,
 (Z)-2-Phosphonostyryl 2,3,4-trimethoxybenzyl sulfone 366808-22-2P
 , (Z)-4-Phosphonostyryl 2,4,6-trimethoxybenzyl sulfone
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of substituted styryl benzyl sulfones for treating
 proliferative disorders)
 RN 334969-19-6 CAPLUS
 CN Benzene, pentafluoro[(1E)-2-[[[(4-fluorophenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 334969-20-9 CAPLUS
 CN Benzene, [(1E)-2-[[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]pentafluoro-
 (9CI) (CA INDEX NAME)

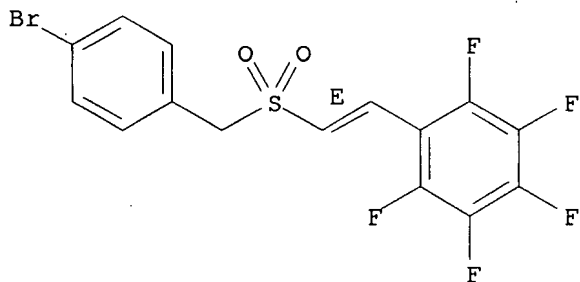
Double bond geometry as shown.



RN 334969-21-0 CAPLUS

CN Benzene, [(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]pentafluoro-
(9CI) (CA INDEX NAME)

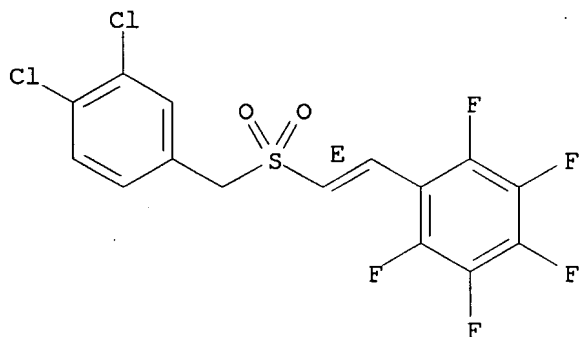
Double bond geometry as shown.



RN 334969-22-1 CAPLUS

CN Benzene, [(1E)-2-[[[3,4-dichlorophenyl)methyl]sulfonyl]ethenyl]pentafluoro-
(9CI) (CA INDEX NAME)

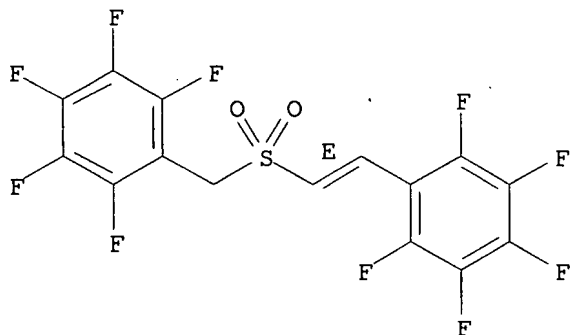
Double bond geometry as shown.



RN 334969-23-2 CAPLUS

CN Benzene, pentafluoro[[[(1E)-2-(pentafluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

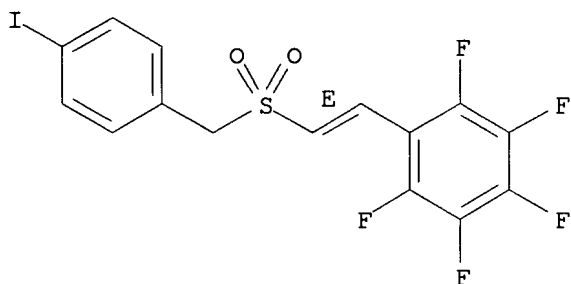
Double bond geometry as shown.



RN 334969-24-3 CAPLUS

CN Benzene, pentafluoro[(1E)-2-[[[4-iodophenyl)methyl]sulfonyl]ethenyl]-
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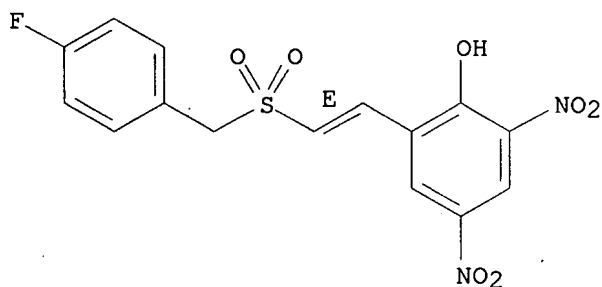
Double bond geometry as shown.



RN 334969-25-4 CAPLUS

CN Phenol, 2-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-4,6-dinitro-
(9CI) (CA INDEX NAME)

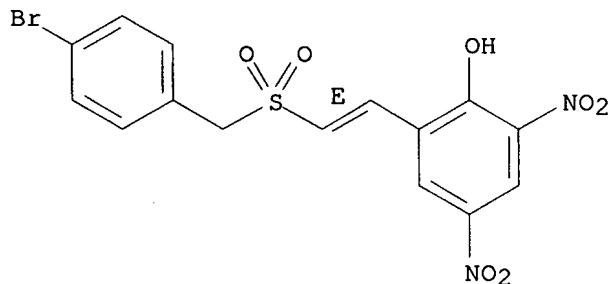
Double bond geometry as shown.



RN 334969-26-5 CAPLUS

CN Phenol, 2-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]-4,6-dinitro-
(9CI) (CA INDEX NAME)

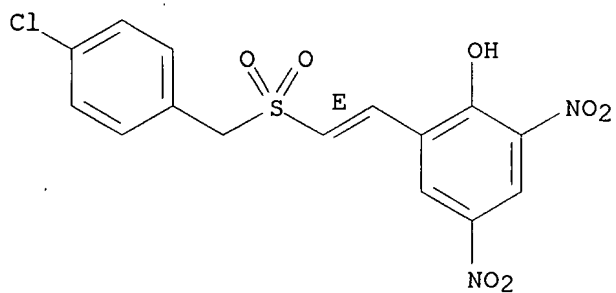
Double bond geometry as shown.



RN 334969-27-6 CAPLUS

CN Phenol, 2-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-4,6-dinitro-
(9CI) (CA INDEX NAME)

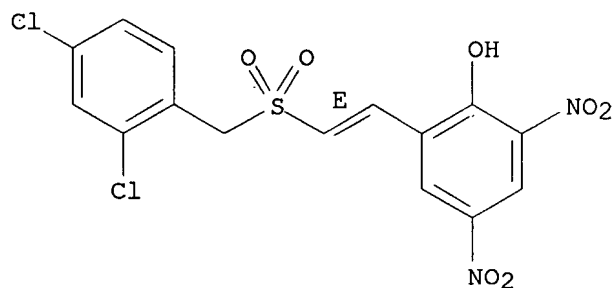
Double bond geometry as shown.



RN 334969-28-7 CAPLUS

CN Phenol, 2-[(1E)-2-[(2,4-dichlorophenyl)methyl]sulfonyl]ethenyl]-4,6-dinitro- (9CI) (CA INDEX NAME)

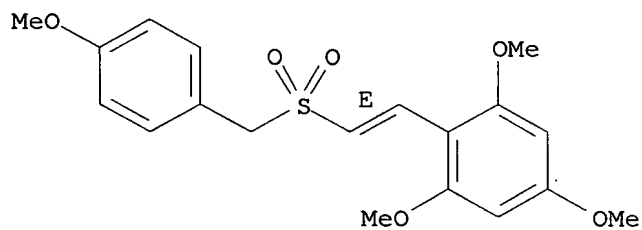
Double bond geometry as shown.



RN 334969-29-8 CAPLUS

CN Benzene, 1,3,5-trimethoxy-2-[(1E)-2-[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

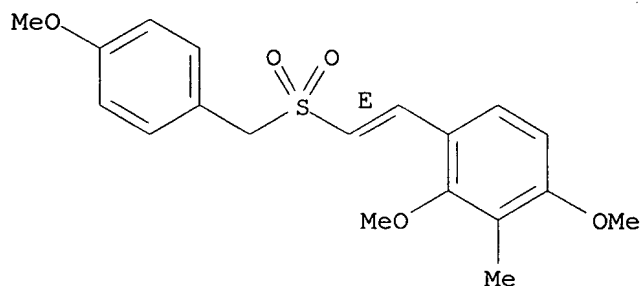
Double bond geometry as shown.



RN 334969-30-1 CAPLUS

CN Benzene, 1,3-dimethoxy-4-[(1E)-2-[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-2-methyl- (9CI) (CA INDEX NAME)

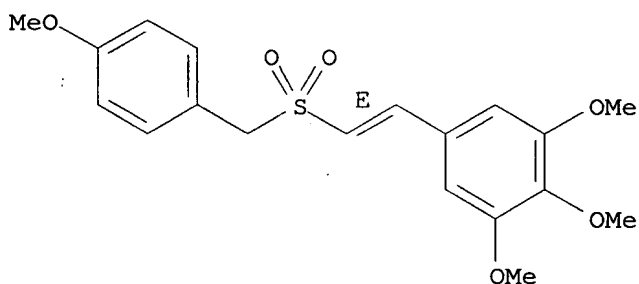
Double bond geometry as shown.



RN 334969-31-2 CAPLUS

CN Benzene, 1,2,3-trimethoxy-5-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

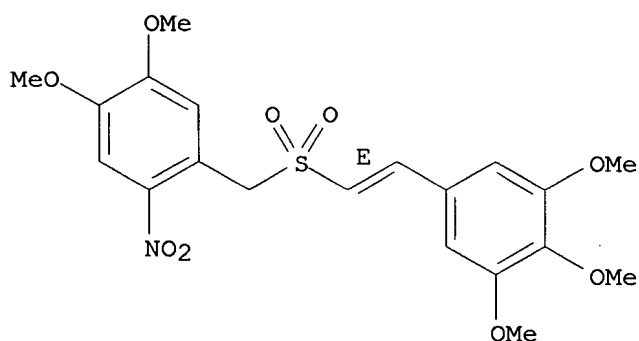
Double bond geometry as shown.



RN 334969-32-3 CAPLUS

CN Benzene, 5-[(1E)-2-[[4,5-dimethoxy-2-nitrophenyl)methyl]sulfonyl]ethenyl]-1,2,3-trimethoxy- (9CI) (CA INDEX NAME)

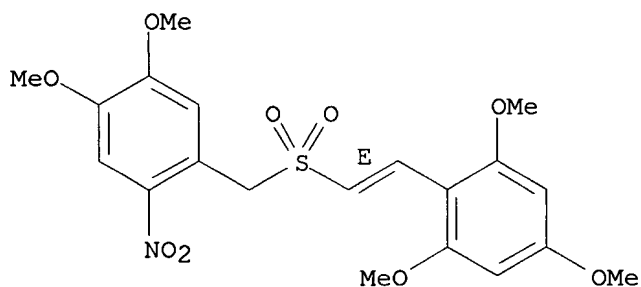
Double bond geometry as shown.



RN 334969-33-4 CAPLUS

CN Benzene, 2-[(1E)-2-[[4,5-dimethoxy-2-nitrophenyl)methyl]sulfonyl]ethenyl]-1,3,5-trimethoxy- (9CI) (CA INDEX NAME)

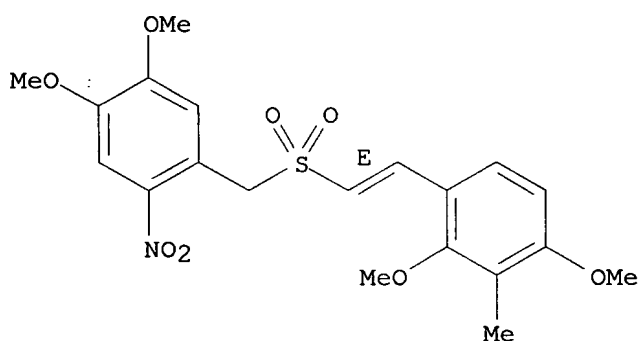
Double bond geometry as shown.



RN 334969-34-5 CAPLUS

CN Benzene, 1-[(1E)-2-[[4,5-dimethoxy-2-nitrophenyl)methyl]sulfonyl]ethenyl]-2,4-dimethoxy-3-methyl- (9CI) (CA INDEX NAME)

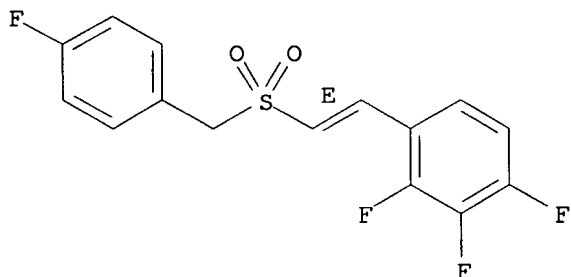
Double bond geometry as shown.



RN 334969-35-6 CAPLUS

CN Benzene, 1,2,3-trifluoro-4-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

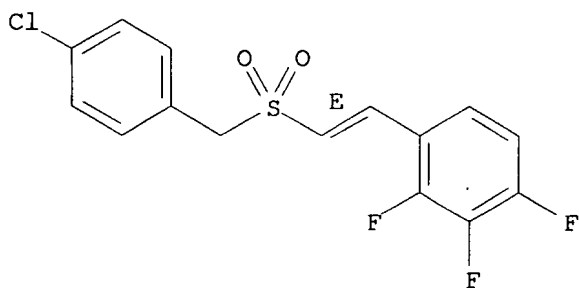
Double bond geometry as shown.



RN 334969-36-7 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-2,3,4-trifluoro- (9CI) (CA INDEX NAME)

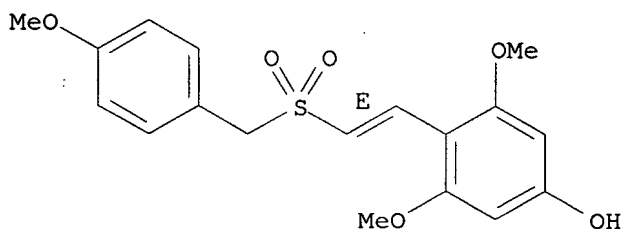
Double bond geometry as shown.



RN 334969-37-8 CAPLUS

CN Phenol, 3,5-dimethoxy-4-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

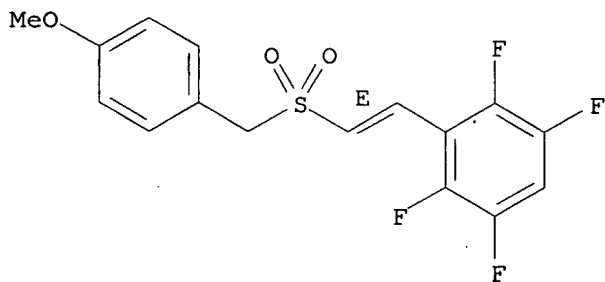
Double bond geometry as shown.



RN 334969-38-9 CAPLUS

CN Benzene, 1,2,4,5-tetrafluoro-3-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

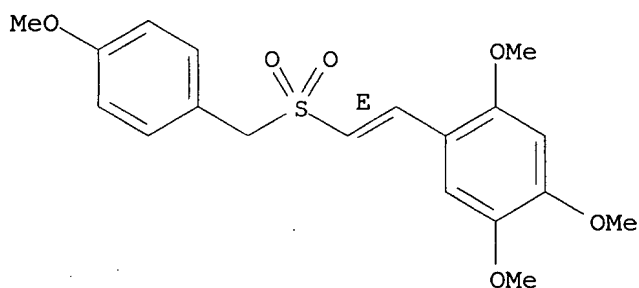
Double bond geometry as shown.



RN 334969-39-0 CAPLUS

CN Benzene, 1,2,4-trimethoxy-5-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

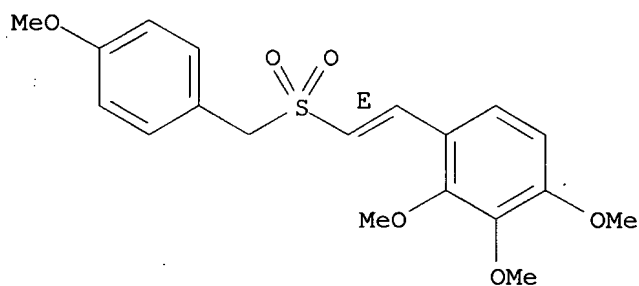
Double bond geometry as shown.



RN 334969-40-3 CAPLUS

CN Benzene, 1,2,3-trimethoxy-4-[(1E)-2-[[4-methoxyphenyl]methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

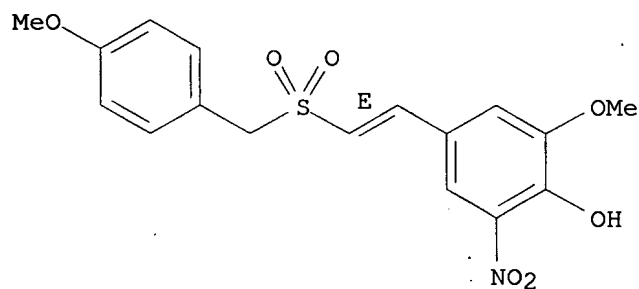
Double bond geometry as shown.



RN 334969-41-4 CAPLUS

CN Phenol, 2-methoxy-4-[(1E)-2-[[4-methoxyphenyl]methyl]sulfonyl]ethenyl]-6-nitro- (9CI) (CA INDEX NAME)

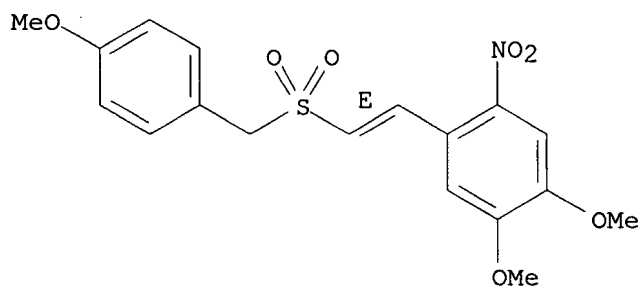
Double bond geometry as shown.



RN 334969-42-5 CAPLUS

CN Benzene, 1,2-dimethoxy-4-[(1E)-2-[[4-methoxyphenyl]methyl]sulfonyl]ethenyl]-5-nitro- (9CI) (CA INDEX NAME)

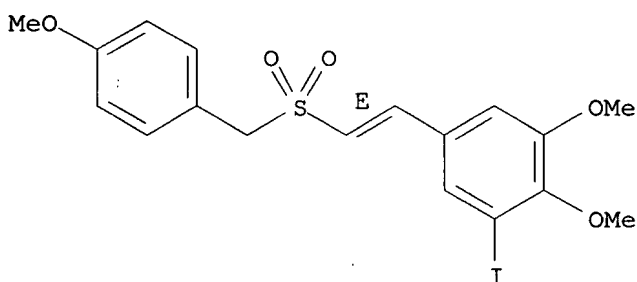
Double bond geometry as shown.



RN 334969-43-6 CAPLUS

CN Benzene, 1-iodo-2,3-dimethoxy-5-[(1E)-2-[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

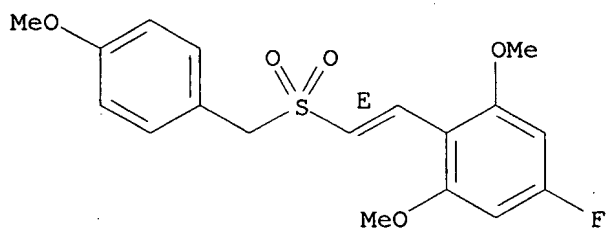
Double bond geometry as shown.



RN 334969-44-7 CAPLUS

CN Benzene, 5-fluoro-1,3-dimethoxy-2-[(1E)-2-[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

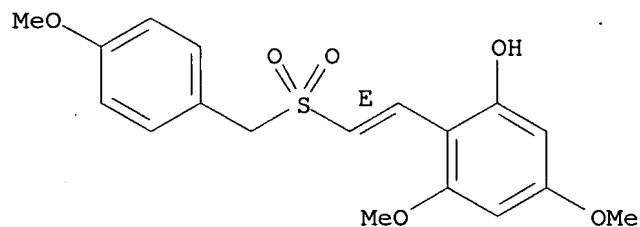
Double bond geometry as shown.



RN 334969-45-8 CAPLUS

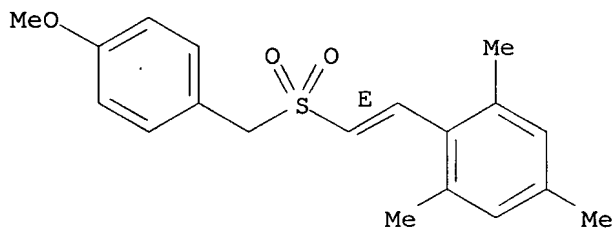
CN Phenol, 3,5-dimethoxy-2-[(1E)-2-[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



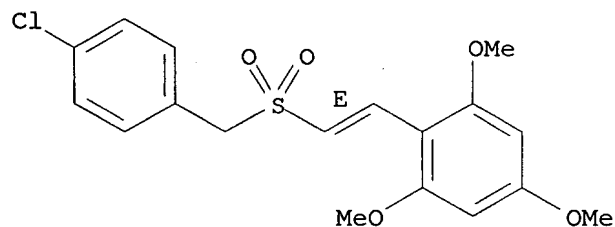
RN 334969-46-9 CAPLUS
CN Benzene, 2-[(1E)-2-[[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]-1,3,5-trimethyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



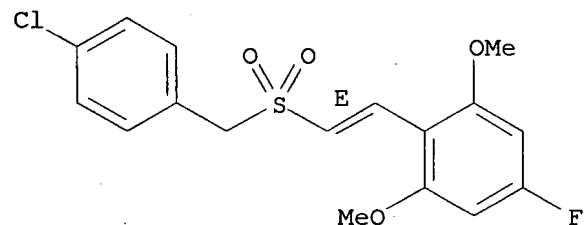
RN 334969-47-0 CAPLUS
CN Benzene, 2-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-1,3,5-trimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



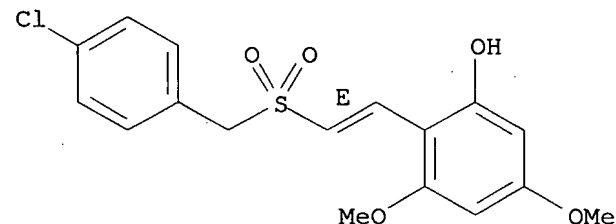
RN 334969-48-1 CAPLUS
CN Benzene, 2-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-5-fluoro-1,3-dimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



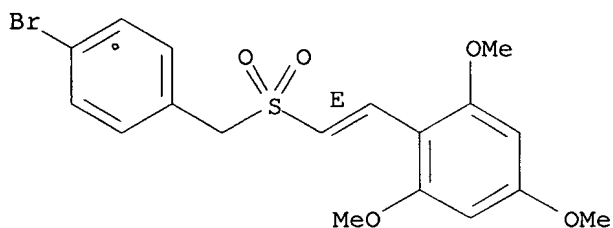
RN 334969-49-2 CAPLUS
CN Phenol, 2-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-3,5-dimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



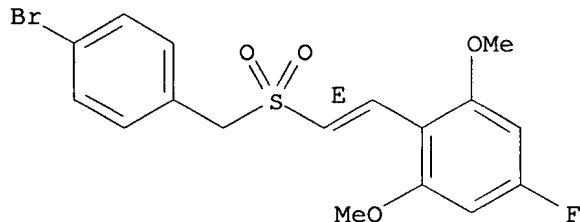
RN 334969-50-5 CAPLUS
CN Benzene, 2-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-1,3,5-trimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



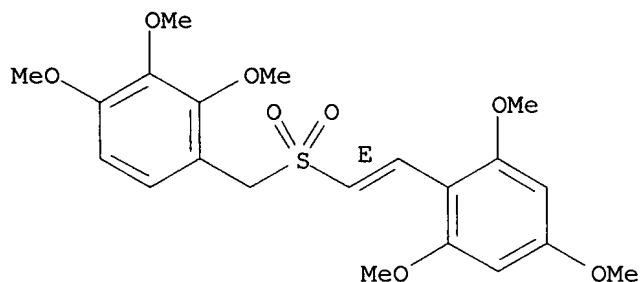
RN 334969-51-6 CAPLUS
CN Benzene, 2-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-5-fluoro-1,3-dimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



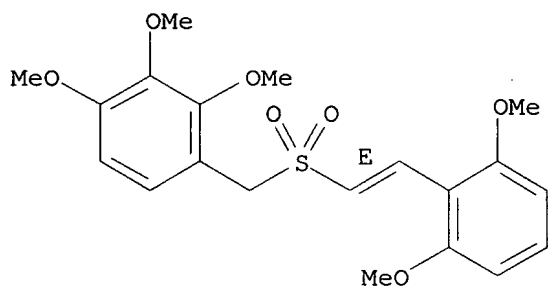
RN 334969-52-7 CAPLUS
CN Benzene, 1,2,3-trimethoxy-4-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 334969-53-8 CAPLUS
CN Benzene, 1-[[[(1E)-2-(2,6-dimethoxyphenyl)ethenyl]sulfonyl]methyl]-2,3,4-trimethoxy- (9CI) (CA INDEX NAME)

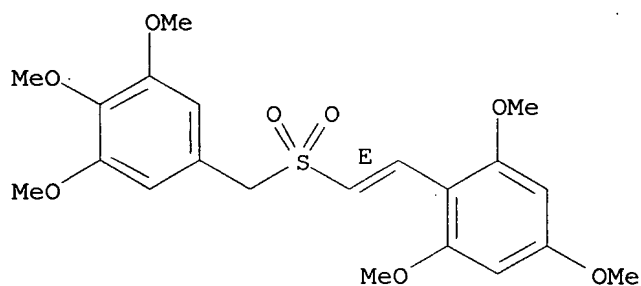
Double bond geometry as shown.



RN 334969-54-9 CAPLUS

CN Benzene, 1,2,3-trimethoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

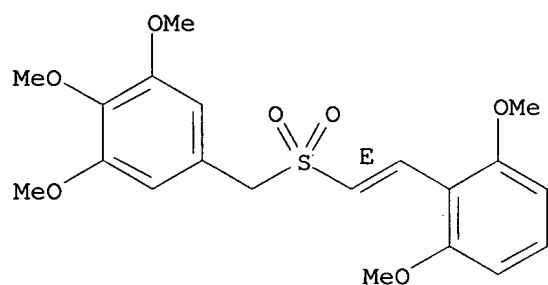
Double bond geometry as shown.



RN 334969-55-0 CAPLUS

CN Benzene, 5-[[[(1E)-2-(2,6-dimethoxyphenyl)ethenyl]sulfonyl]methyl]-1,2,3-trimethoxy- (9CI) (CA INDEX NAME)

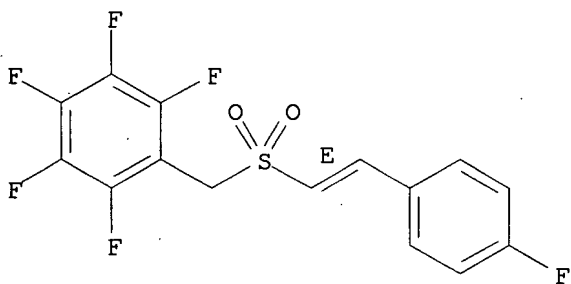
Double bond geometry as shown.



RN 366807-70-7 CAPLUS

CN Benzene, pentafluoro[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

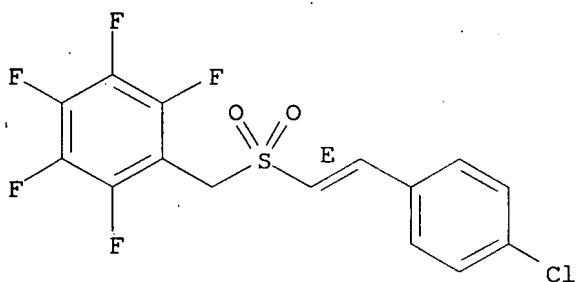
Double bond geometry as shown.



RN 366807-72-9 CAPLUS

CN Benzene, [[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]pentafluoro-
(9CI) (CA INDEX NAME)

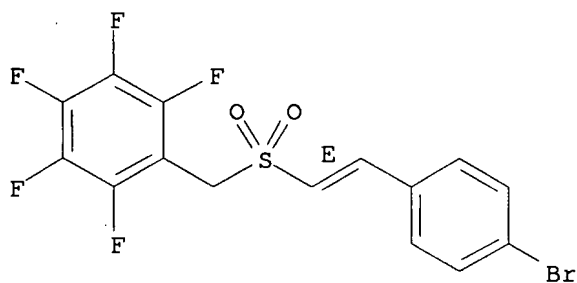
Double bond geometry as shown.



RN 366807-74-1 CAPLUS

CN Benzene, [[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]pentafluoro-
(9CI) (CA INDEX NAME)

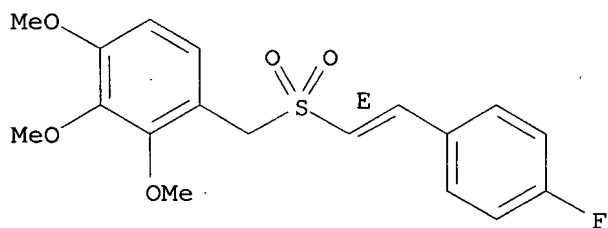
Double bond geometry as shown.



RN 366807-77-4 CAPLUS

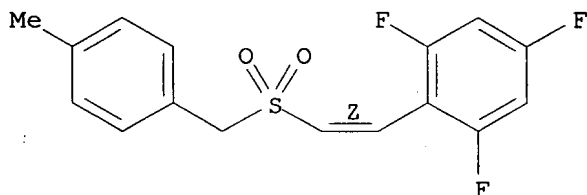
CN Benzene, 1-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-2,3,4-
trimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



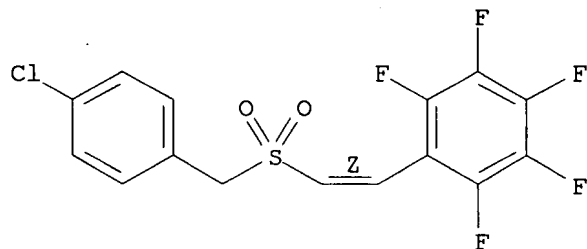
RN 366807-78-5 CAPLUS
 CN Benzene, 1,3,5-trifluoro-2-[(1Z)-2-[[4-methylphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



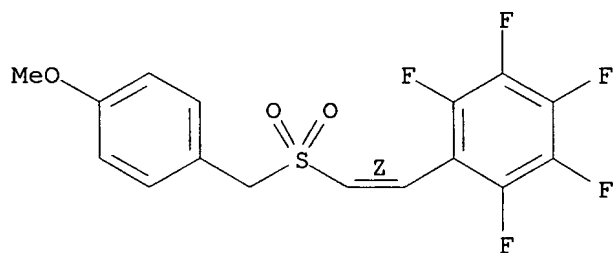
RN 366807-81-0 CAPLUS
 CN Benzene, [(1Z)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]pentafluoro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



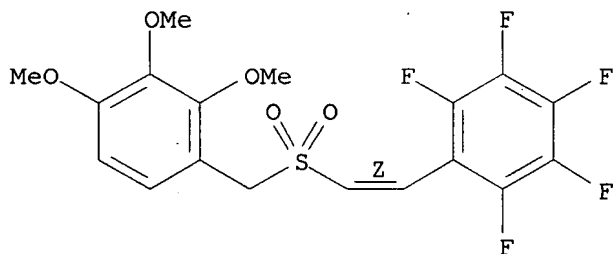
RN 366807-83-2 CAPLUS
 CN Benzene, pentafluoro[(1Z)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 366807-85-4 CAPLUS
 CN Benzene, pentafluoro[(1Z)-2-[[2,3,4-trimethoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

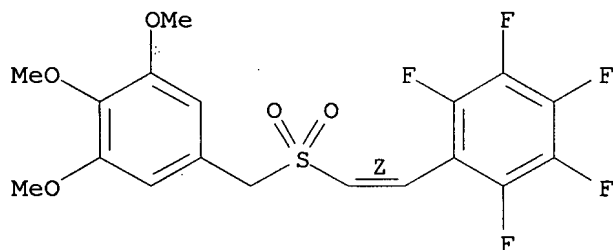
Double bond geometry as shown.



RN 366807-90-1 CAPLUS

CN Benzene, pentafluoro[(1Z)-2-[[(3,4,5-trimethoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

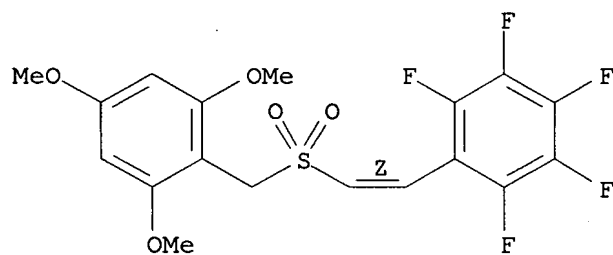
Double bond geometry as shown.



RN 366807-93-4 CAPLUS

CN Benzene, pentafluoro[(1Z)-2-[[(2,4,6-trimethoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

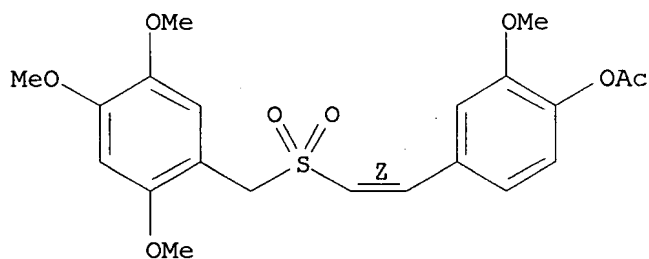
Double bond geometry as shown.



RN 366807-97-8 CAPLUS

CN Phenol, 2-methoxy-4-[(1Z)-2-[[(2,4,5-trimethoxyphenyl)methyl]sulfonyl]ethenyl]-, acetate (9CI) (CA INDEX NAME)

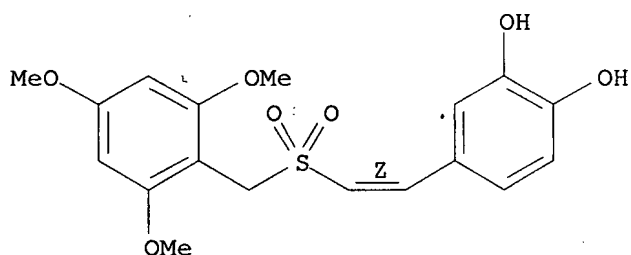
Double bond geometry as shown.



RN 366808-02-8 CAPLUS

CN 1,2-Benzenediol, 4-[(1Z)-2-[[2,4,6-trimethoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

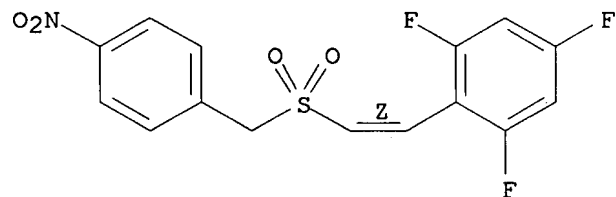
Double bond geometry as shown.



RN 366808-08-4 CAPLUS

CN Benzene, 1,3,5-trifluoro-2-[(1Z)-2-[[4-nitrophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

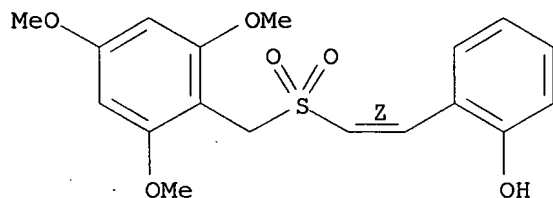
Double bond geometry as shown.



RN 366808-12-0 CAPLUS

CN Phenol, 2-[(1Z)-2-[[2,4,6-trimethoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

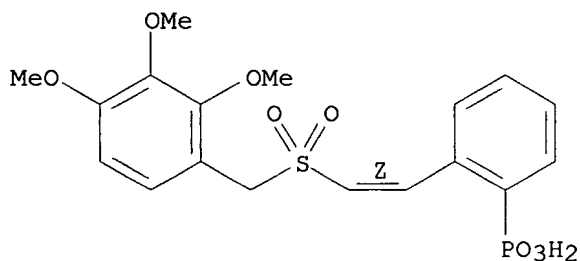
Double bond geometry as shown.



RN 366808-16-4 CAPLUS

CN Phosphonic acid, [2-[(1Z)-2-[[2,3,4-trimethoxyphenyl)methyl]sulfonyl]ethenyl]phenyl]- (9CI) (CA INDEX NAME)

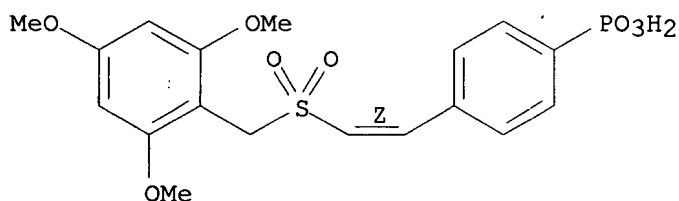
Double bond geometry as shown.



RN 366808-22-2 CAPLUS

CN Phosphonic acid, [4-[(1Z)-2-[(2,4,6-trimethoxyphenyl)methyl]sulfonyl]ethenyl]phenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 37 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:440082 CAPLUS

DOCUMENT NUMBER: 135:180576

TITLE: β -Sulfinyl α,β -Unsaturated Carbonyl

Compounds from Enantiomerically Pure Sulfenic Acids
AUTHOR(S): Aversa, Maria C.; Barattucci, Anna; Bonaccorsi, Paola; Giannetto, Placido; Policicchio, Manuela

CORPORATE SOURCE: Dipartimento di Chimica Organica e biologica,
Universita degli Studi di Messina, Messina, 98166,
Italy

SOURCE: Journal of Organic Chemistry (2001), 66(14), 4845-4851
CODEN: JOCEAH; ISSN: 0022-3263

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 135:180576

AB The addition of enantiopure sulfenic acids to oxoalkynes constitutes a new and efficient methodol. for the synthesis of β -sulfinyl α,β -unsatd. carbonyl compds. RSOH [R = 10-isoborneyl, 2-borneyl] were generated by thermolysis of suitable precursors and trapped in situ by oxoalkynes, affording (RS,E)- and (SS,E)-3-alkylsulfinyl-1-phenyl-2-propen-1-ones, 4-alkylsulfinyl-3-buten-2-ones, and 3-[(1S)-isoborneol-10-sulfinyl]-2-propenoates in good yields and in enantiomerically pure form after simple column chromatog. (RS,E)-3-[(1S)-isoborneol-10-sulfinyl]-1-phenyl-2-propen-1-one (I) was involved as a heterodiene in inverse-electron-demanding Diels-Alder reactions with readily available electron-rich dienophiles, corroborating in each case the sulfinyl auxiliary capability in controlling the stereochem. outcome of these cycloaddns. Furthermore, the addition of methylmagnesium iodide to the carbonyl moiety of I demonstrated that the chiral sulfur atom exerts a remote stereocontrol in this reaction if assisted by the hydroxy group being part of the isoborneol substituent.

IT 355807-23-7P 355807-24-8P

RL: SPN (Synthetic preparation); PREP (Preparation)

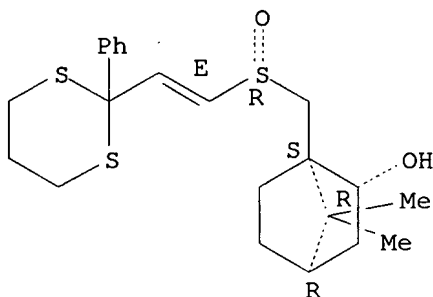
(preparation of β -sulfinyl α,β -unsatd. carbonyl compds. from enantiomerically pure sulfenic acids)

RN 355807-23-7 CAPLUS

CN Bicyclo[2.2.1]heptan-2-ol, 7,7-dimethyl-1-[[(R)-[(1E)-2-(2-phenyl-1,3-dithian-2-yl)ethenyl]sulfinyl]methyl]-, (1S,2R,4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

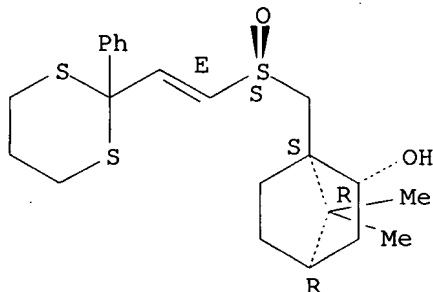


RN 355807-24-8 CAPLUS

CN Bicyclo[2.2.1]heptan-2-ol, 7,7-dimethyl-1-[[(S)-[(1E)-2-(2-phenyl-1,3-dithian-2-yl)ethenyl]sulfinyl]methyl]-, (1S,2R,4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.



REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 38 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:334964 CAPLUS

DOCUMENT NUMBER: 135:122252

TITLE: Simple and stereoselective synthetic route to (E)-1-alkenyl sulfoxides via terminal alkynes

AUTHOR(S): Zhong, Ping; Guo, Meng-Ping; Huang, Xian

CORPORATE SOURCE: Department of Chemistry, Yichun Normal Institute, Yichun, 336000, Peop. Rep. China

SOURCE: Journal of Chemical Research, Synopses (2000), (12), 588-589

CODEN: JRPSDC; ISSN: 0308-2342

PUBLISHER: Science Reviews Ltd.

DOCUMENT TYPE: Journal

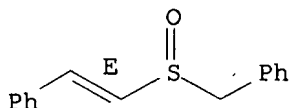
LANGUAGE: English

OTHER SOURCE(S): CASREACT 135:122252

AB Terminal alkynes react with $\text{Cp}_2\text{Zr}(\text{H})\text{Cl}$ ($\text{Cp} = \eta^5\text{-C}_5\text{H}_5$) to give organozirconium(IV) complexes, which are trapped with sulfinyl chlorides to afford (E)-1-alkenyl sulfoxides.

IT 160426-22-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (stereoselective preparation of (E)-1-alkenyl sulfoxides via terminal
 alkynes)
 RN 160426-22-2 CAPLUS
 CN Benzene, [[[(1E)-2-phenylethenyl]sulfinyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 39 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2001:283778 CAPLUS
 DOCUMENT NUMBER: 134:305291
 TITLE: Method for protecting normal cells from cytotoxicity
 of chemotherapeutic agents by pretreatment with
 α,β -unsaturated aryl sulfones
 INVENTOR(S): Cosenza, Stephen A.; Reddy, M. V. Ramana; Reddy, E.
 Premkumar
 PATENT ASSIGNEE(S): Temple University, USA
 SOURCE: PCT Int. Appl., 69 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001026645	A1	20010419	WO 2000-US28250	20001011
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2387539	A1	20010419	CA 2000-2387539	20001011
EP 1223923	A1	20020724	EP 2000-973486	20001011
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003511412	T	20030325	JP 2001-529435	20001011
US 6767926	B1	20040727	US 2000-689281	20001011
AU 780844	B2	20050421	AU 2001-11989	20001011
AU 2001011989	A	20010423		
US 2003149109	A1	20030807	US 2002-305694	20021127
US 6656973	B2	20031202		
US 2004214903	A1	20041028	US 2004-851829	20040521
PRIORITY APPLN. INFO.:			US 1999-159123P	P 19991012
			US 2000-689281	A1 20001011
			WO 2000-US28250	W 20001011

OTHER SOURCE(S): MARPAT 134:305291
 AB Pre-treatment with α,β unsatd. aryl sulfones protects normal cells from the cytotoxic side effects of two classes of anticancer

chemotherapeutics. Administration of a cytoprotective sulfone compound to a patient prior to anticancer chemotherapy with a mitotic phase cell cycle inhibitor or topoisomerase inhibitor reduces or eliminates the cytotoxic side effects of the anticancer agent on normal cells. The cytoprotective effect of the α,β unsatd. aryl sulfone allows the clinician to safely increasing the dosage of the anticancer chemotherapeutic. Pretreatment of normal human fibroblasts with (E)-4-fluorostyryl-4-chlorobenzyl sulfone conferred protection from the toxic effects of paclitaxel.

IT 118672-29-0P 300699-36-9P 300699-47-2P

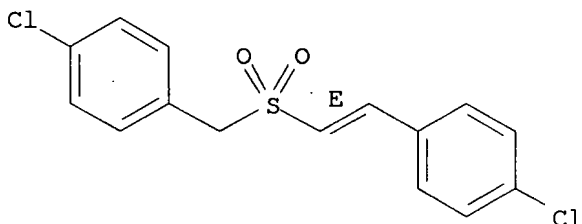
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(antitumor and cytoprotective effects of; protecting normal cells from cytotoxicity of chemotherapeutic agents by pretreatment with α,β -unsatd. aryl sulfones)

RN 118672-29-0 CAPLUS

CN Benzene, 1-chloro-4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-(9CI) (CA INDEX NAME)

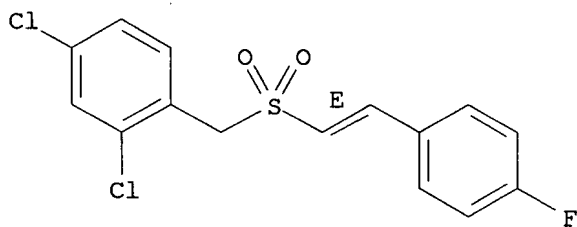
Double bond geometry as shown.



RN 300699-36-9 CAPLUS

CN Benzene, 2,4-dichloro-1-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-(9CI) (CA INDEX NAME)

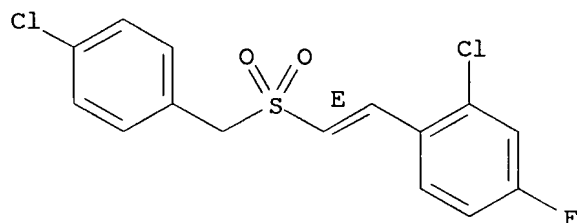
Double bond geometry as shown.



RN 300699-47-2 CAPLUS

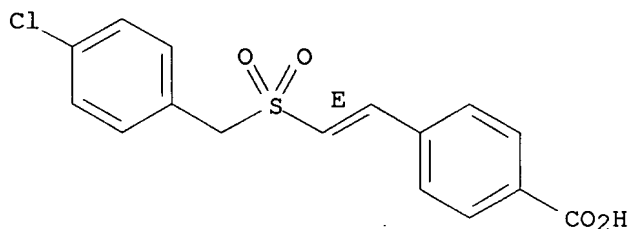
CN Benzene, 2-chloro-1-[(1E)-2-[[[4-chlorophenyl]methyl]sulfonyl]ethenyl]-4-fluoro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



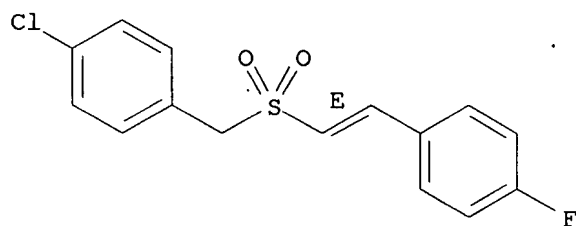
IT 334969-03-8
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (antitumor and cytoprotective effects of; protecting normal cells from cytotoxicity of chemotherapeutic agents by pretreatment with α,β -unsatd. aryl sulfones)
 RN 334969-03-8 CAPLUS
 CN Benzoic acid, 4-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]- (CA INDEX NAME)

Double bond geometry as shown.



IT 118672-28-9P
 RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
 (protecting normal cells from cytotoxicity of chemotherapeutic agents by pretreatment with α,β -unsatd. aryl sulfones)
 RN 118672-28-9 CAPLUS
 CN Benzene, 1-chloro-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



IT 32291-81-9P 93468-07-6P 118672-24-5P
 118672-26-7P 118672-30-3P 118672-33-6P
 118672-34-7P 136272-35-0P 158606-43-0P
 158606-45-2P 222639-19-2P 222639-21-6P
 222639-24-9P 222639-26-1P 222639-31-8P
 298197-01-0P 298197-03-2P 298197-05-4P
 298197-09-8P 298197-11-2P 298197-14-5P
 298197-15-6P 298197-16-7P 298197-17-8P
 298197-18-9P 298197-19-0P 298197-20-3P
 298197-21-4P 298197-22-5P 300699-33-6P
 300699-34-7P 300699-35-8P 300699-37-0P
 300699-39-2P 300699-40-5P 300699-41-6P
 300699-42-7P 300699-43-8P 300699-44-9P
 300699-45-0P 300699-46-1P 300699-50-7P
 300699-62-1P 300699-63-2P 300699-64-3P
 300699-67-6P 300699-68-7P 300699-71-2P

300699-72-3P 300699-73-4P 300699-74-5P
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 334969-66-3P 334969-67-4P 334969-68-5P
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 334970-08-0P 334970-09-1P 334970-10-4P
 334970-11-5P 334970-12-6P 334970-13-7P
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 334970-17-1P 334970-18-2P 334970-19-3P
 334970-20-6P 334970-21-7P 334970-22-8P
 334970-23-9P 334970-24-0P 334970-25-1P
 334970-26-2P 334970-27-3P 334970-28-4P

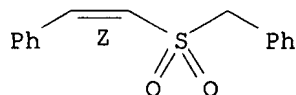
RL: SPN (Synthetic preparation); PREP (Preparation)

(protecting normal cells from cytotoxicity of chemotherapeutic agents
by pretreatment with α,β -unsatd. aryl sulfones)

RN 32291-81-9 CAPLUS

CN Benzene, [[[1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

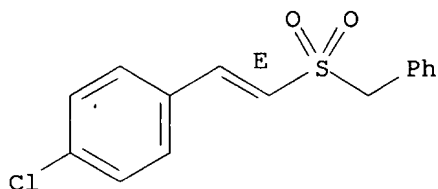
Double bond geometry as shown.



RN 93468-07-6 CAPLUS

CN Benzene, 1-chloro-4-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

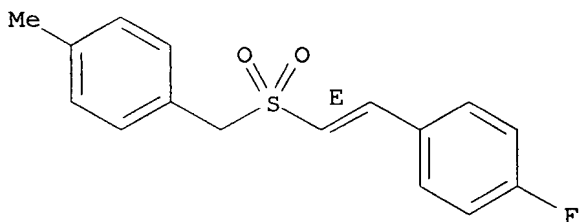
Double bond geometry as shown.



RN 118672-24-5 CAPLUS

CN Benzene, 1-fluoro-4-[(1E)-2-[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

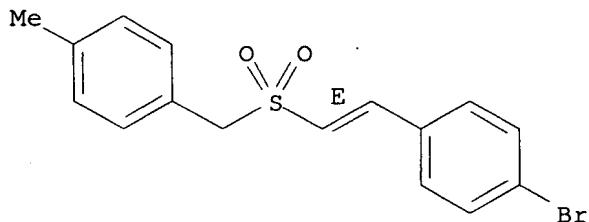
Double bond geometry as shown.



RN 118672-26-7 CAPLUS

CN Benzene, 1-bromo-4-[(1E)-2-[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

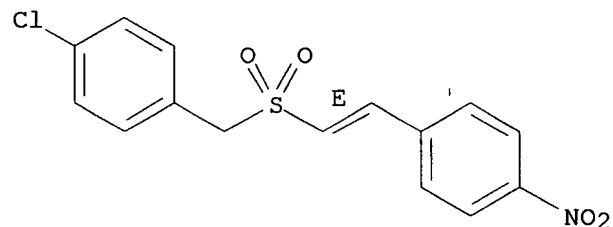
Double bond geometry as shown.



RN 118672-30-3 CAPLUS

CN Benzene, 1-chloro-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

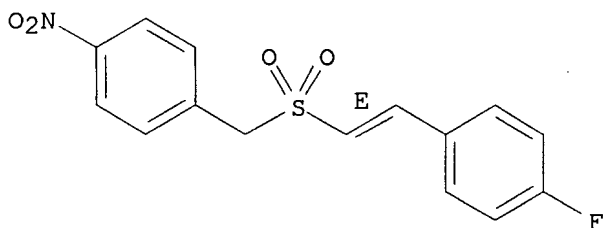
Double bond geometry as shown.



RN 118672-33-6 CAPLUS

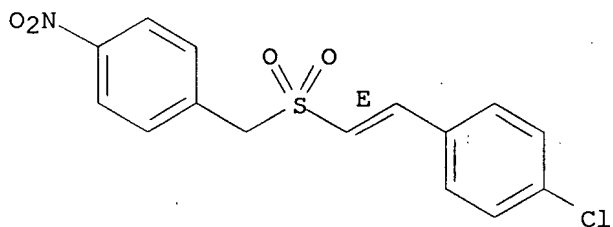
CN Benzene, 1-fluoro-4-[(1E)-2-[[(4-nitrophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



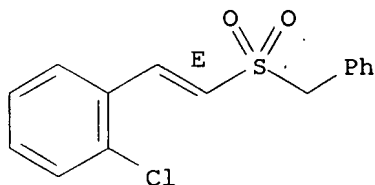
RN 118672-34-7 CAPLUS
 CN Benzene, 1-chloro-4-[(1E)-2-[(4-nitrophenyl)methylsulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



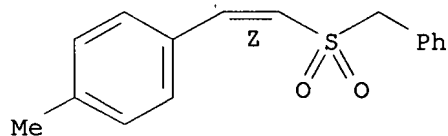
RN 136272-35-0 CAPLUS
 CN Benzene, 1-chloro-2-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



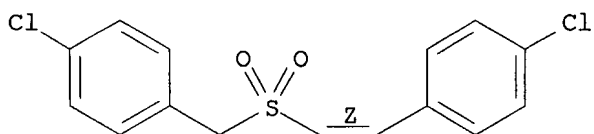
RN 158606-43-0 CAPLUS
 CN Benzene, 1-methyl-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



RN 158606-45-2 CAPLUS
 CN Benzene, 1-chloro-4-[[[(1Z)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
 (9CI) (CA INDEX NAME)

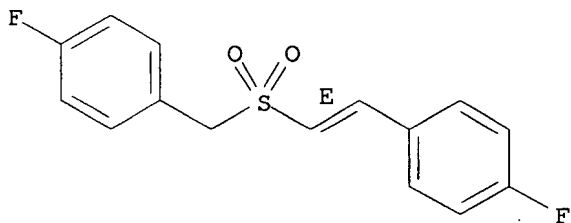
Double bond geometry as shown.



RN 222639-19-2 CAPLUS

CN Benzene, 1-fluoro-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(CA INDEX NAME)

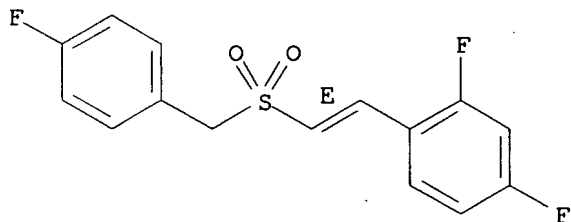
Double bond geometry as shown.



RN 222639-21-6 CAPLUS

CN Benzene, 2,4-difluoro-1-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

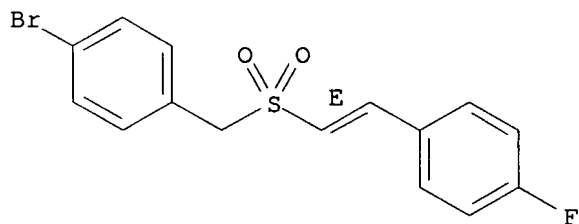
Double bond geometry as shown.



RN 222639-24-9 CAPLUS

CN Benzene, 1-bromo-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

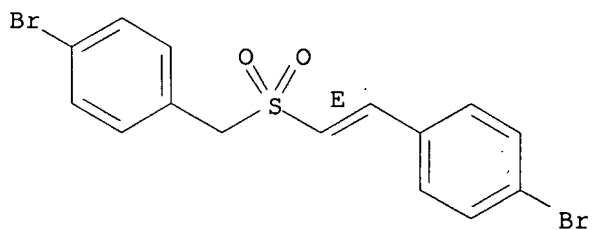
Double bond geometry as shown.



RN 222639-26-1 CAPLUS

CN Benzene, 1-bromo-4-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

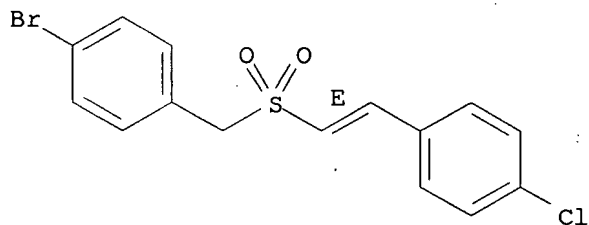
Double bond geometry as shown.



RN 222639-31-8 CAPLUS

CN Benzene, 1-bromo-4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

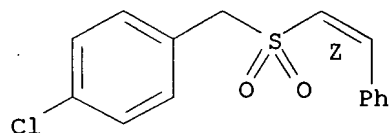
Double bond geometry as shown.



RN 298197-01-0 CAPLUS

CN Benzene, 1-chloro-4-[[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA
INDEX NAME)

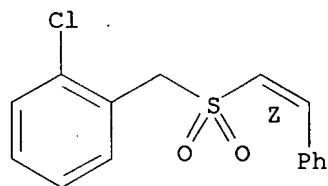
Double bond geometry as shown.



RN 298197-03-2 CAPLUS

CN Benzene, 1-chloro-2-[[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA
INDEX NAME)

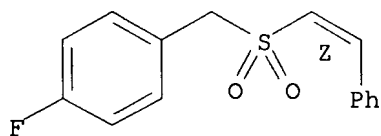
Double bond geometry as shown.



RN 298197-05-4 CAPLUS

CN Benzene, 1-fluoro-4-[[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA
INDEX NAME)

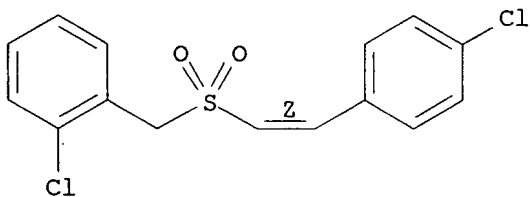
Double bond geometry as shown.



RN 298197-09-8 CAPLUS

CN Benzene, 1-chloro-2-[[[(1Z)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

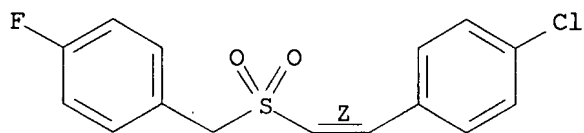
Double bond geometry as shown.



RN 298197-11-2 CAPLUS

CN Benzene, 1-chloro-4-[(1Z)-2-[[[4-fluorophenyl]methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

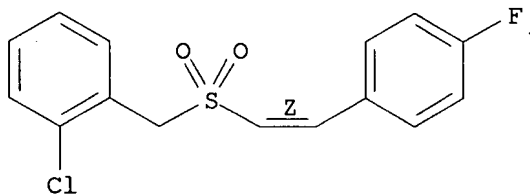
Double bond geometry as shown.



RN 298197-14-5 CAPLUS

CN Benzene, 1-chloro-2-[[[(1Z)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

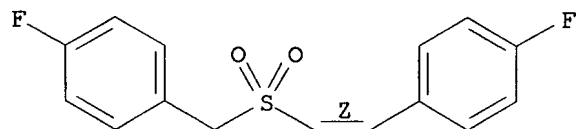
Double bond geometry as shown.



RN 298197-15-6 CAPLUS

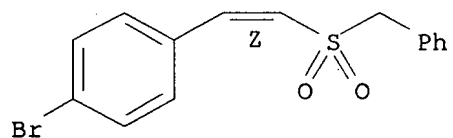
CN Benzene, 1-fluoro-4-[[[(1Z)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



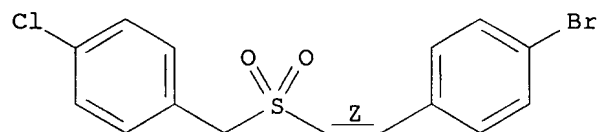
RN 298197-16-7 CAPLUS
CN Benzene, 1-bromo-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



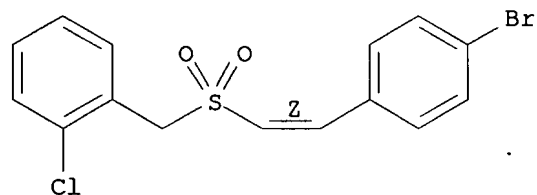
RN 298197-17-8 CAPLUS
CN Benzene, 1-bromo-4-[(1Z)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



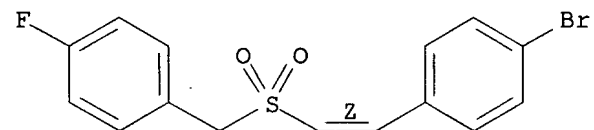
RN 298197-18-9 CAPLUS
CN Benzene, 1-[[[(1Z)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-2-chloro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



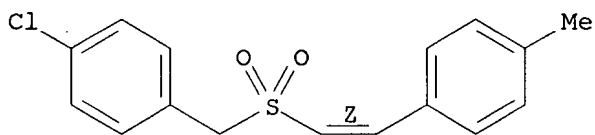
RN 298197-19-0 CAPLUS
CN Benzene, 1-bromo-4-[(1Z)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 298197-20-3 CAPLUS
CN Benzene, 1-chloro-4-[[[(1Z)-2-(4-methylphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

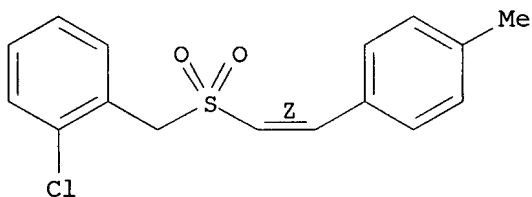
Double bond geometry as shown.



RN 298197-21-4 CAPLUS

CN Benzene, 1-chloro-2-[[[(1Z)-2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

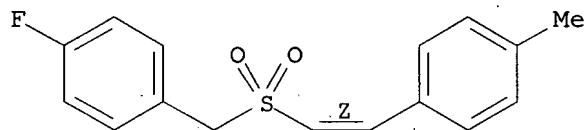
Double bond geometry as shown.



RN 298197-22-5 CAPLUS

CN Benzene, 1-fluoro-4-[[[(1Z)-2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

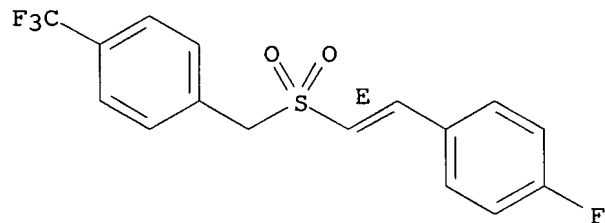
Double bond geometry as shown.



RN 300699-33-6 CAPLUS

CN Benzene, 1-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-4-
(trifluoromethyl)- (CA INDEX NAME)

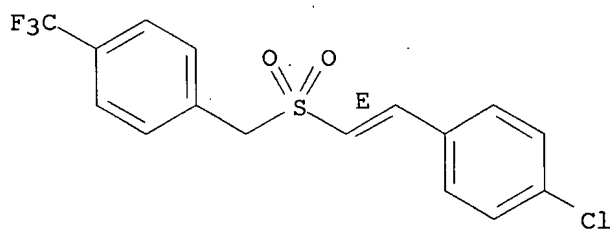
Double bond geometry as shown.



RN 300699-34-7 CAPLUS

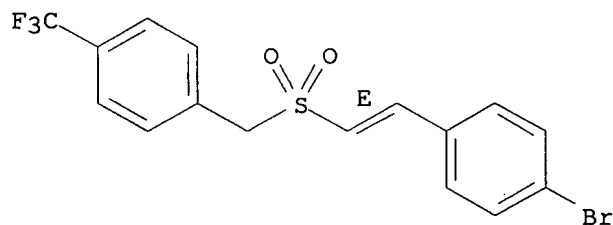
CN Benzene, 1-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-4-
(trifluoromethyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



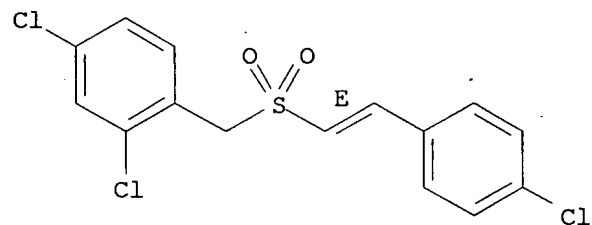
RN 300699-35-8 CAPLUS
 CN Benzene, 1-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



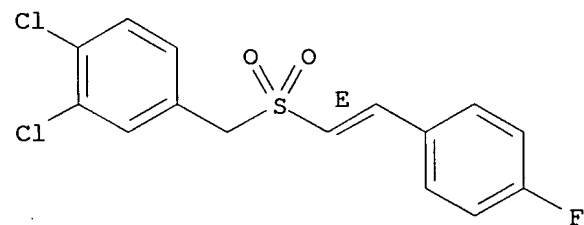
RN 300699-37-0 CAPLUS
 CN Benzene, 2,4-dichloro-1-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



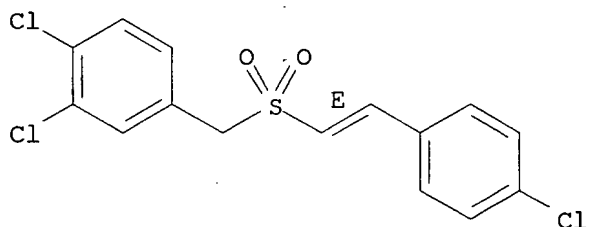
RN 300699-39-2 CAPLUS
 CN Benzene, 1,2-dichloro-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 300699-40-5 CAPLUS
 CN Benzene, 1,2-dichloro-4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

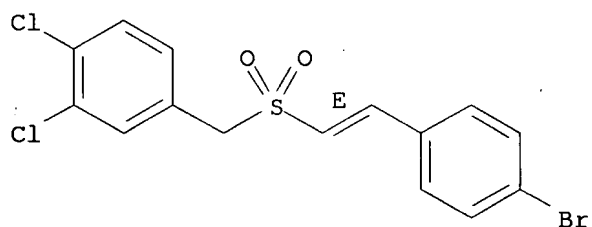
Double bond geometry as shown.



RN 300699-41-6 CAPLUS

CN Benzene, 4-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-1,2-dichloro- (9CI) (CA INDEX NAME)

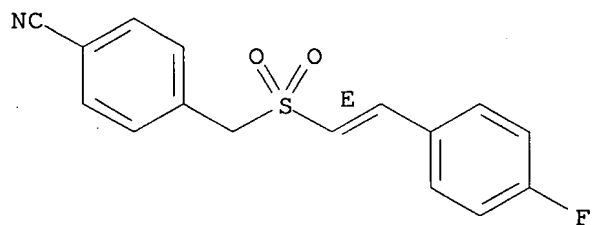
Double bond geometry as shown.



RN 300699-42-7 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

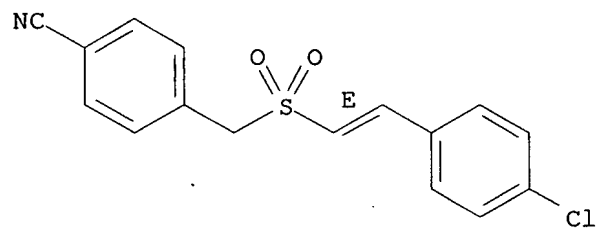
Double bond geometry as shown.



RN 300699-43-8 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

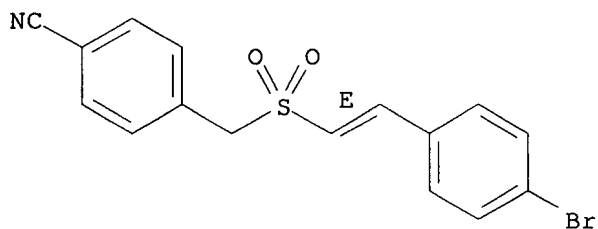
Double bond geometry as shown.



. RN 300699-44-9 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

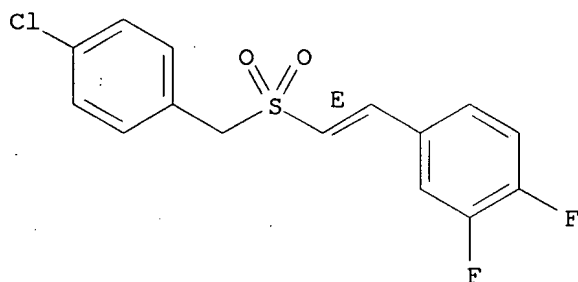
Double bond geometry as shown.



RN 300699-45-0 CAPLUS

CN Benzene, 4-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-1,2-difluoro-
(9CI) (CA INDEX NAME)

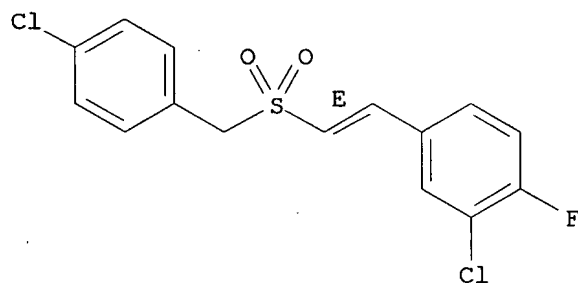
Double bond geometry as shown.



RN 300699-46-1 CAPLUS

CN Benzene, 2-chloro-4-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-1-
fluoro- (9CI) (CA INDEX NAME)

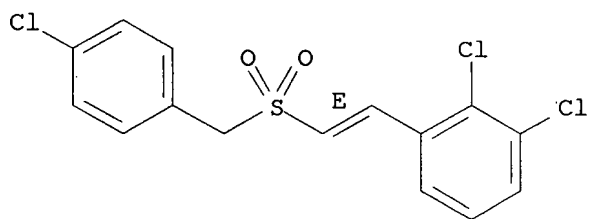
Double bond geometry as shown.



RN 300699-50-7 CAPLUS

CN Benzene, 1,2-dichloro-3-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

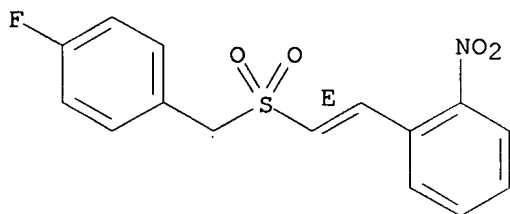
Double bond geometry as shown.



RN 300699-62-1 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-2-nitro-
(9CI) (CA INDEX NAME)

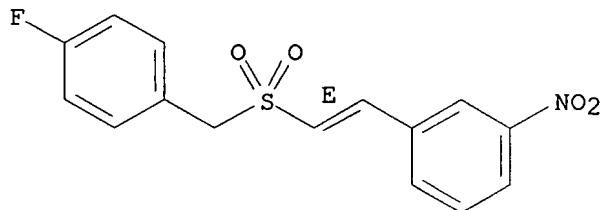
Double bond geometry as shown.



RN 300699-63-2 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-3-nitro-
(9CI) (CA INDEX NAME)

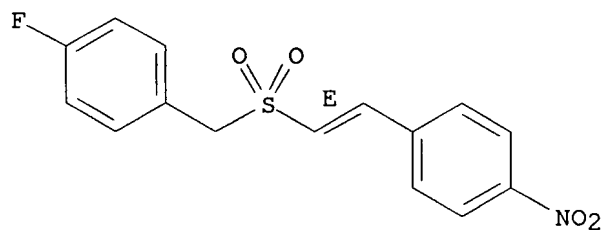
Double bond geometry as shown.



RN 300699-64-3 CAPLUS

CN Benzene, 1-fluoro-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

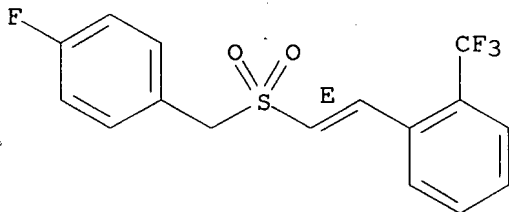
Double bond geometry as shown.



RN 300699-67-6 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-2-
(trifluoromethyl)- (9CI) (CA INDEX NAME)

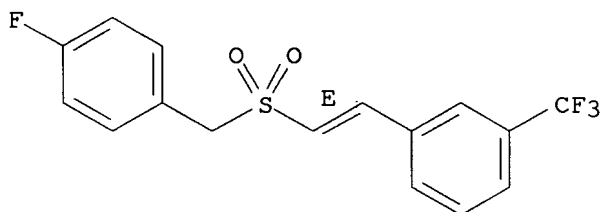
Double bond geometry as shown.



RN 300699-68-7 CAPLUS

CN Benzene, 1-[(1E)-2-[[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

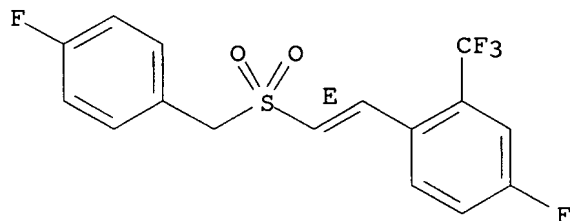
Double bond geometry as shown.



RN 300699-71-2 CAPLUS

CN Benzene, 4-fluoro-1-[(1E)-2-[[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

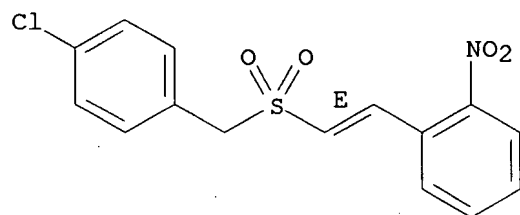
Double bond geometry as shown.



RN 300699-72-3 CAPLUS

CN Benzene, 1-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-2-nitro- (9CI) (CA INDEX NAME)

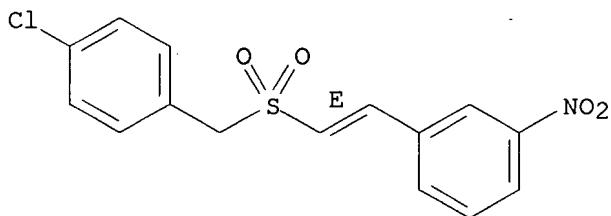
Double bond geometry as shown.



RN 300699-73-4 CAPLUS

CN Benzene, 1-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-3-nitro- (9CI) (CA INDEX NAME)

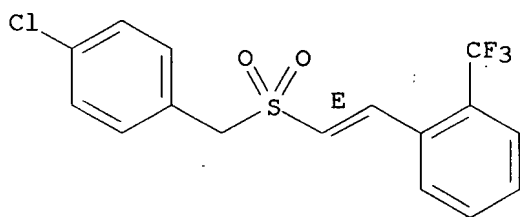
Double bond geometry as shown.



RN 300699-74-5 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

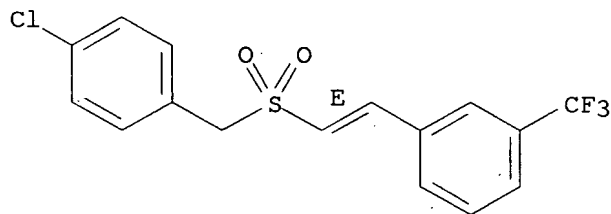
Double bond geometry as shown.



RN 300699-75-6 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

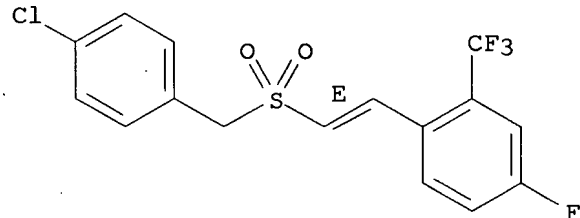
Double bond geometry as shown.



RN 300699-77-8 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-4-fluoro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

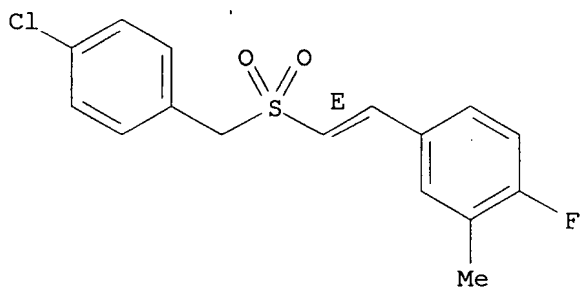


RN 300699-78-9 CAPLUS

CN Benzene, 4-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-1-fluoro-2-

methyl- (9CI) (CA INDEX NAME)

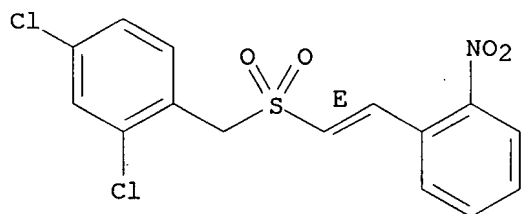
Double bond geometry as shown.



RN 300699-79-0 CAPLUS

CN Benzene, 2,4-dichloro-1-[[[(1E)-2-(2-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

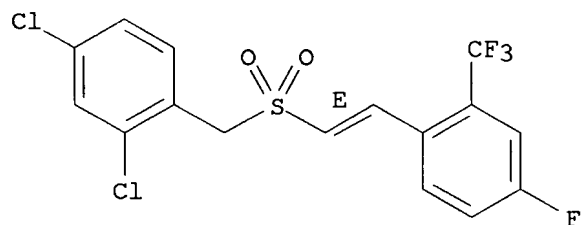
Double bond geometry as shown.



RN 300699-80-3 CAPLUS

CN Benzene, 2,4-dichloro-1-[[[(1E)-2-[4-fluoro-2-(trifluoromethyl)phenyl]ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

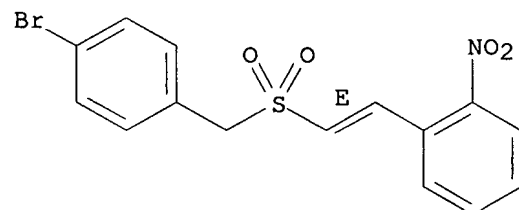
Double bond geometry as shown.



RN 300699-81-4 CAPLUS

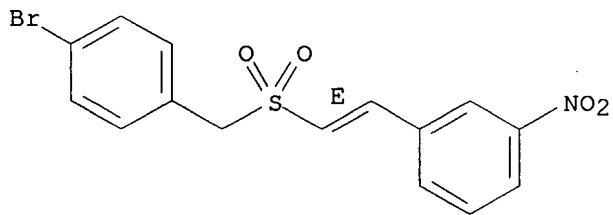
CN Benzene, 1-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-2-nitro-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



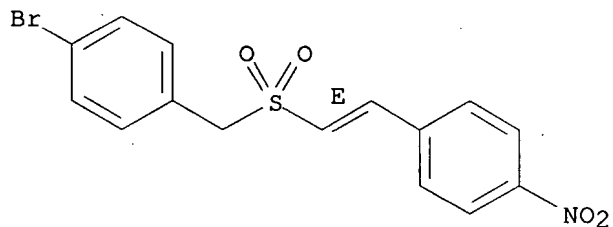
RN 300699-82-5 CAPLUS
CN Benzene, 1-[(1E)-2-[[(4-bromophenyl)methyl]sulfonyl]ethenyl]-3-nitro-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



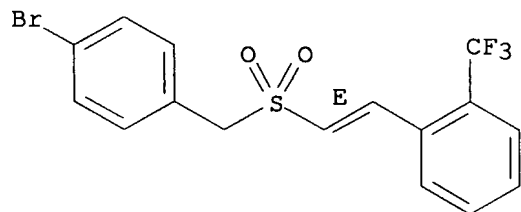
RN 300699-83-6 CAPLUS
CN Benzene, 1-bromo-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



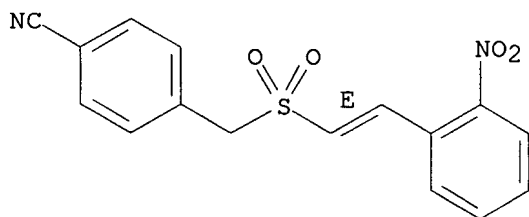
RN 300699-85-8 CAPLUS
CN Benzene, 1-[(1E)-2-[[(4-bromophenyl)methyl]sulfonyl]ethenyl]-2-(trifluoromethyl)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 300699-88-1 CAPLUS
CN Benzonitrile, 4-[[[(1E)-2-(2-nitrophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

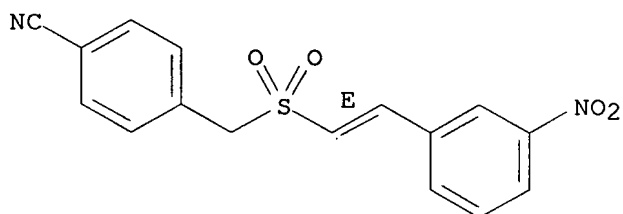
Double bond geometry as shown.



RN 300699-89-2 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(3-nitrophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

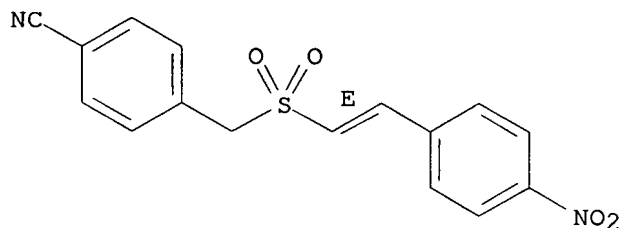
Double bond geometry as shown.



RN 300699-90-5 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

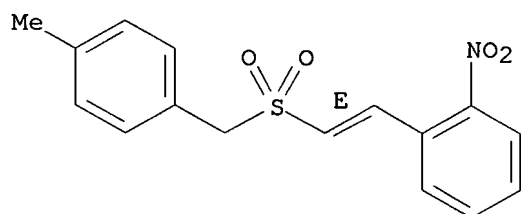
Double bond geometry as shown.



RN 300699-91-6 CAPLUS

CN Benzene, 1-[(1E)-2-[[[4-methylphenyl]methyl]sulfonyl]ethenyl]-2-nitro- (9CI)
(CA INDEX NAME)

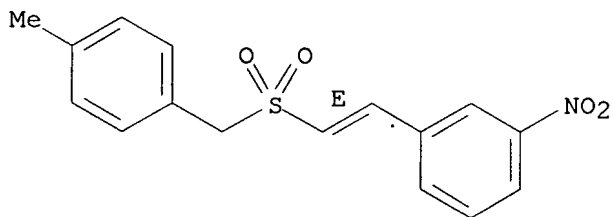
Double bond geometry as shown.



RN 300699-92-7 CAPLUS

CN Benzene, 1-[(1E)-2-[[[4-methylphenyl]methyl]sulfonyl]ethenyl]-3-nitro- (9CI)
(CA INDEX NAME)

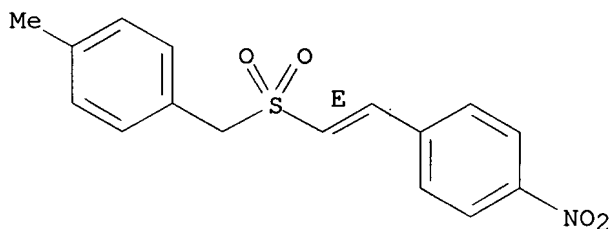
Double bond geometry as shown.



RN 300699-93-8 CAPLUS

CN Benzene, 1-methyl-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

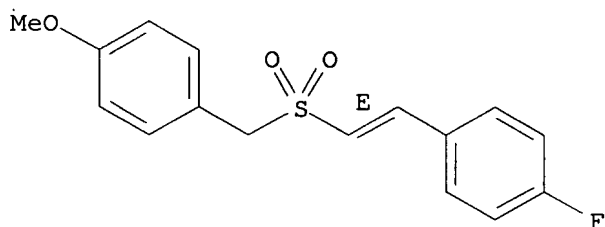
Double bond geometry as shown.



RN 300699-94-9 CAPLUS

CN Benzene, 1-fluoro-4-[(1E)-2-[[4-methoxyphenyl]methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

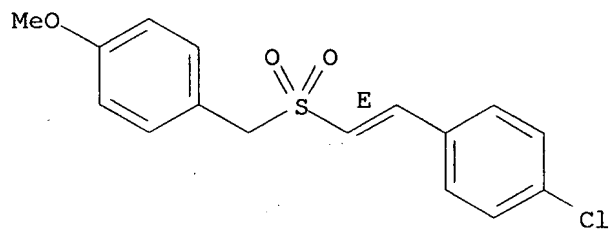
Double bond geometry as shown.



RN 300699-95-0 CAPLUS

CN Benzene, 1-chloro-4-[(1E)-2-[[4-methoxyphenyl]methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

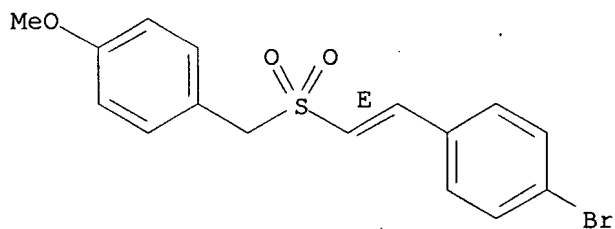
Double bond geometry as shown.



RN 300699-96-1 CAPLUS

CN Benzene, 1-bromo-4-[(1E)-2-[[4-methoxyphenyl]methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

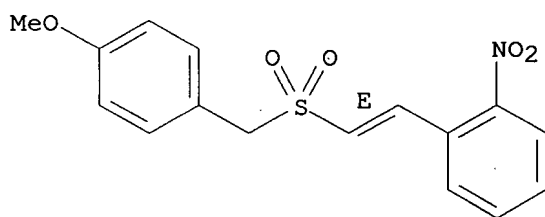
Double bond geometry as shown.



RN 300699-98-3 CAPLUS

CN Benzene, 1-[(1E)-2-[[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]-2-nitro-
(9CI) (CA INDEX NAME)

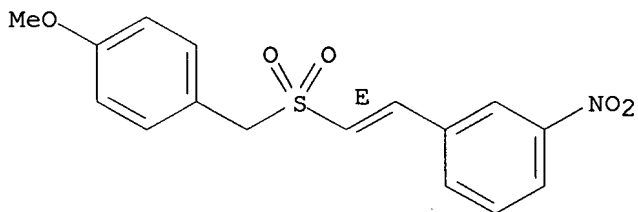
Double bond geometry as shown.



RN 300699-99-4 CAPLUS

CN Benzene, 1-[(1E)-2-[[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]-3-nitro-
(9CI) (CA INDEX NAME)

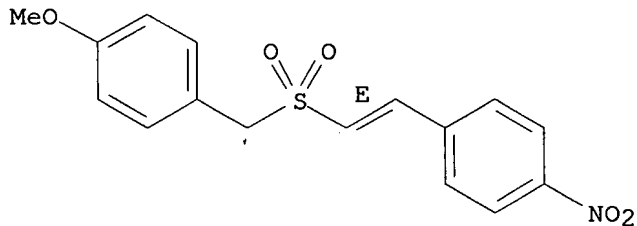
Double bond geometry as shown.



RN 300700-00-9 CAPLUS

CN Benzene, 1-methoxy-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.

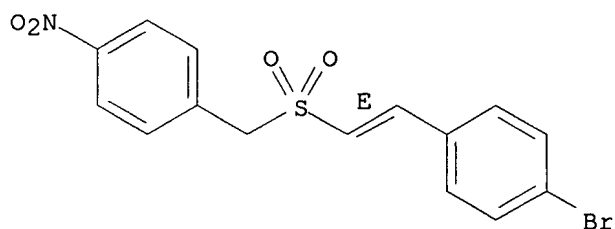


RN 334969-04-9 CAPLUS

CN Benzene, 1-bromo-4-[(1E)-2-[[[4-nitrophenyl)methyl]sulfonyl]ethenyl]-

(9CI) (CA INDEX NAME)

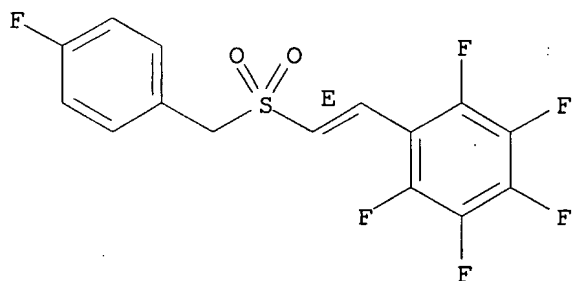
Double bond geometry as shown.



RN 334969-19-6 CAPLUS

CN Benzene, pentafluoro[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

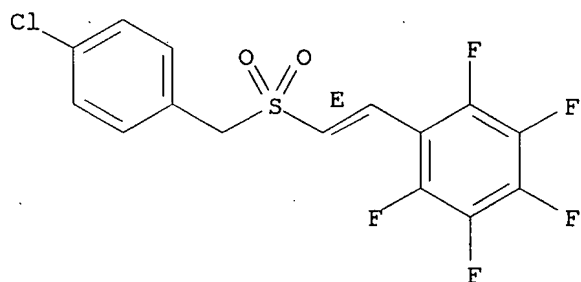
Double bond geometry as shown.



RN 334969-20-9 CAPLUS

CN Benzene, [(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]pentafluoro-
(9CI) (CA INDEX NAME)

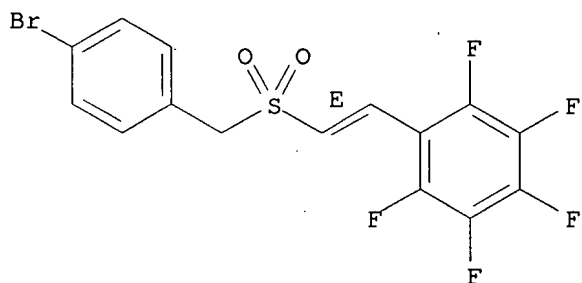
Double bond geometry as shown.



RN 334969-21-0 CAPLUS

CN Benzene, [(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]pentafluoro-
(9CI) (CA INDEX NAME)

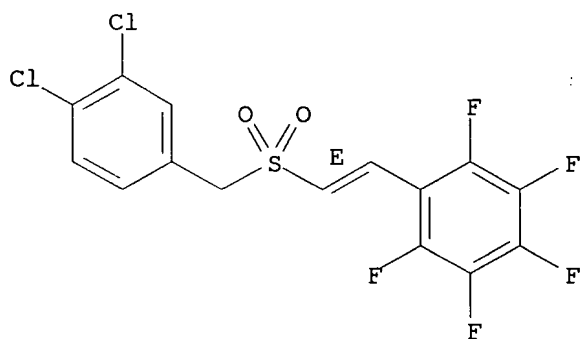
Double bond geometry as shown.



RN 334969-22-1 CAPLUS

CN Benzene, [(1E)-2-[[(3,4-dichlorophenyl)methyl]sulfonyl]ethenyl]pentafluoro-
(9CI) (CA INDEX NAME)

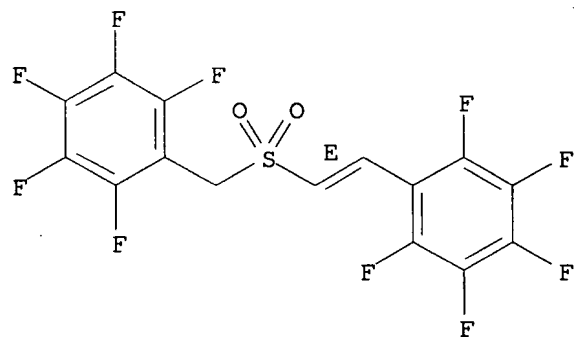
Double bond geometry as shown.



RN 334969-23-2 CAPLUS

CN Benzene, pentafluoro[[(1E)-2-(pentafluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

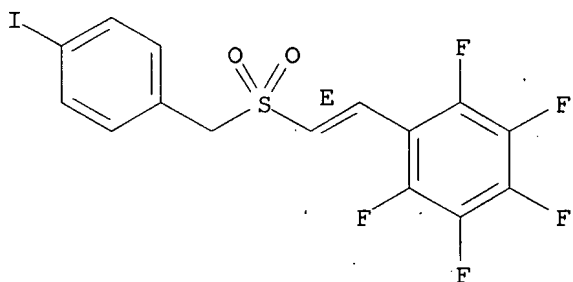
Double bond geometry as shown.



RN 334969-24-3 CAPLUS

CN Benzene, pentafluoro[(1E)-2-[[(4-iodophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

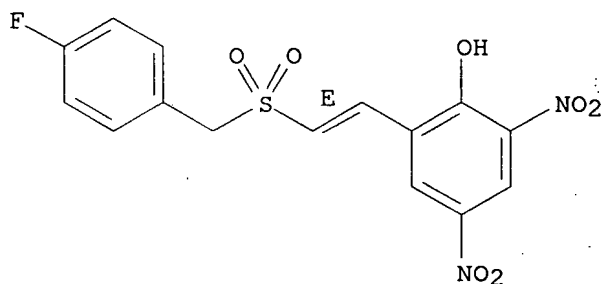
Double bond geometry as shown.



RN 334969-25-4 CAPLUS

CN Phenol, 2-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-4,6-dinitro-
(9CI) (CA INDEX NAME)

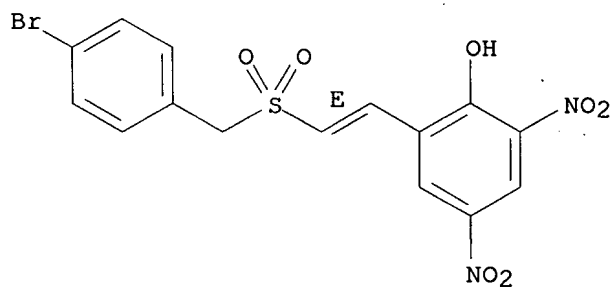
Double bond geometry as shown.



RN 334969-26-5 CAPLUS

CN Phenol, 2-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]-4,6-dinitro-
(9CI) (CA INDEX NAME)

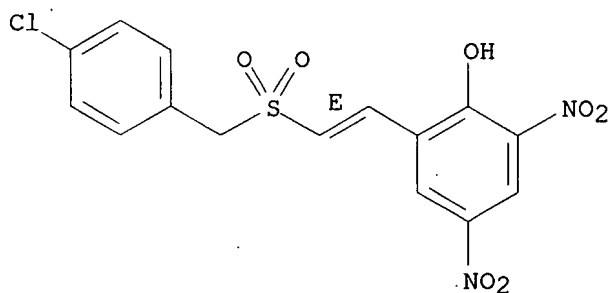
Double bond geometry as shown.



RN 334969-27-6 CAPLUS

CN Phenol, 2-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-4,6-dinitro-
(9CI) (CA INDEX NAME)

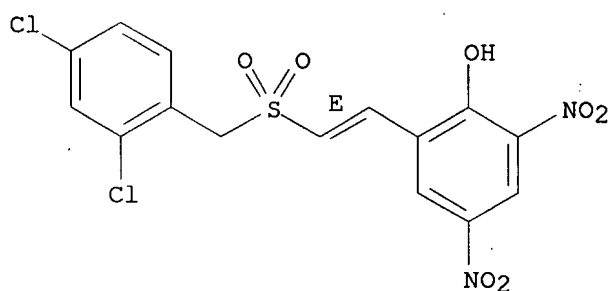
Double bond geometry as shown.



RN 334969-28-7 CAPLUS

CN Phenol, 2-[(1E)-2-[[2,4-dichlorophenyl)methyl]sulfonyl]ethenyl]-4,6-dinitro- (9CI) (CA INDEX NAME)

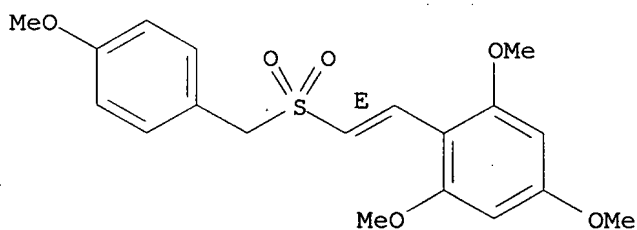
Double bond geometry as shown.



RN 334969-29-8 CAPLUS

CN Benzene, 1,3,5-trimethoxy-2-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

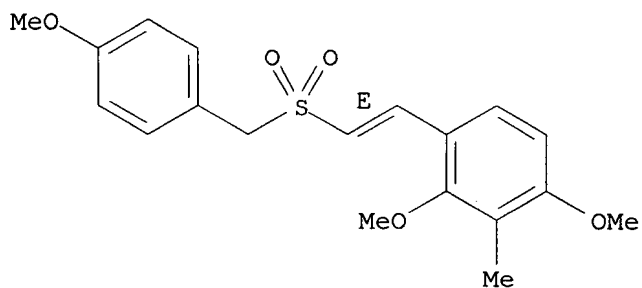
Double bond geometry as shown.



RN 334969-30-1 CAPLUS

CN Benzene, 1,3-dimethoxy-4-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]-2-methyl- (9CI) (CA INDEX NAME)

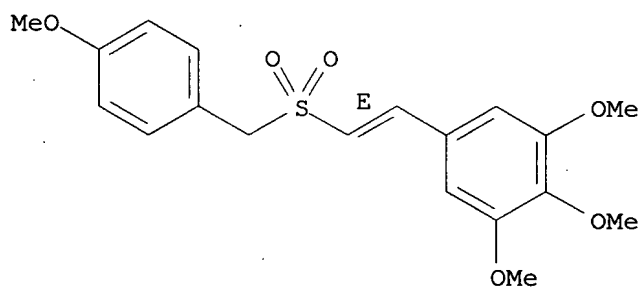
Double bond geometry as shown.



RN 334969-31-2 CAPLUS

CN Benzene, 1,2,3-trimethoxy-5-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

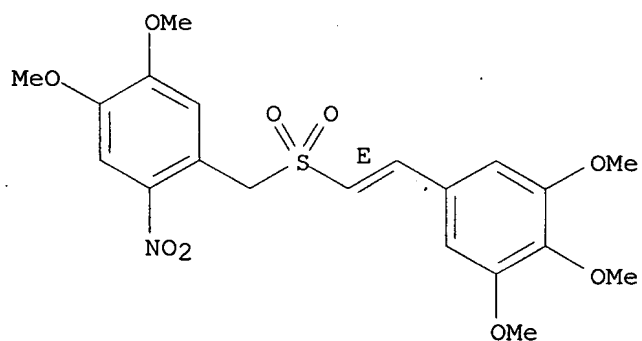
Double bond geometry as shown.



RN 334969-32-3 CAPLUS

CN Benzene, 5-[(1E)-2-[[4,5-dimethoxy-2-nitrophenyl)methyl]sulfonyl]ethenyl]-1,2,3-trimethoxy- (9CI) (CA INDEX NAME)

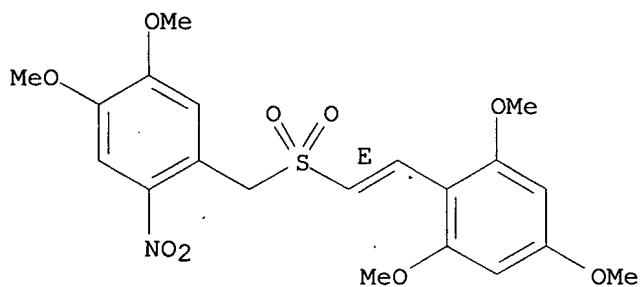
Double bond geometry as shown.



RN 334969-33-4 CAPLUS

CN Benzene, 2-[(1E)-2-[[4,5-dimethoxy-2-nitrophenyl)methyl]sulfonyl]ethenyl]-1,3,5-trimethoxy- (9CI) (CA INDEX NAME)

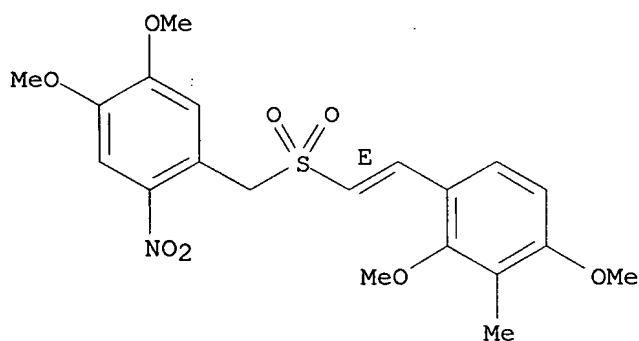
Double bond geometry as shown.



RN 334969-34-5 CAPLUS

CN Benzene, 1-[(1E)-2-[[[4,5-dimethoxy-2-nitrophenyl)methyl]sulfonyl]ethenyl]-2,4-dimethoxy-3-methyl- (9CI) (CA INDEX NAME)

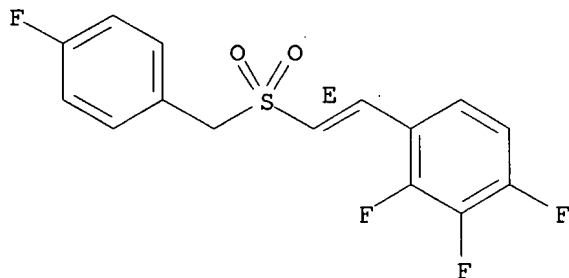
Double bond geometry as shown.



RN 334969-35-6 CAPLUS

CN Benzene, 1,2,3-trifluoro-4-[(1E)-2-[[[4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

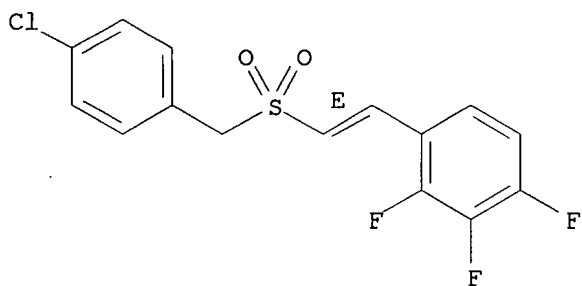
Double bond geometry as shown.



RN 334969-36-7 CAPLUS

CN Benzene, 1-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-2,3,4-trifluoro- (9CI) (CA INDEX NAME)

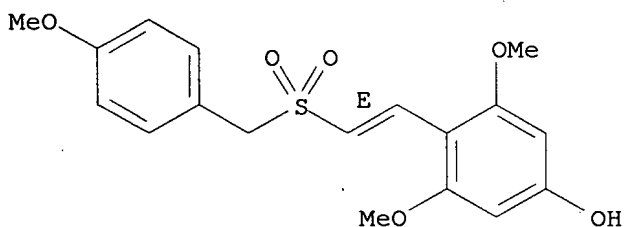
Double bond geometry as shown.



RN 334969-37-8 CAPLUS

CN Phenol, 3,5-dimethoxy-4-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

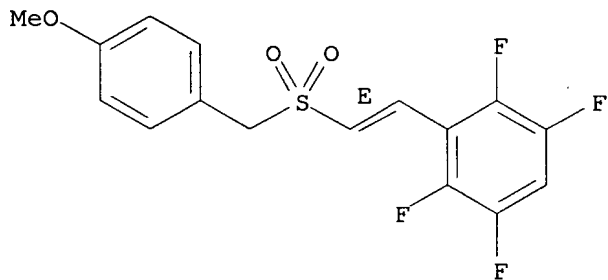
Double bond geometry as shown.



RN 334969-38-9 CAPLUS

CN Benzene, 1,2,4,5-tetrafluoro-3-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

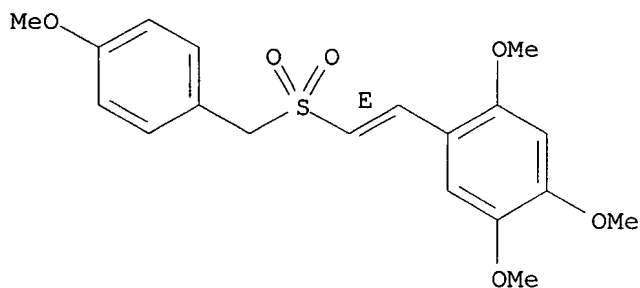
Double bond geometry as shown.



RN 334969-39-0 CAPLUS

CN Benzene, 1,2,4-trimethoxy-5-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

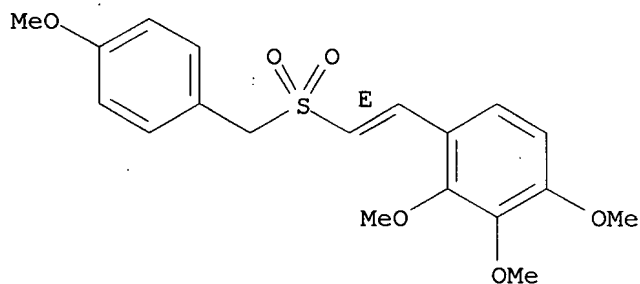
Double bond geometry as shown.



RN 334969-40-3 CAPLUS

CN Benzene, 1,2,3-trimethoxy-4-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

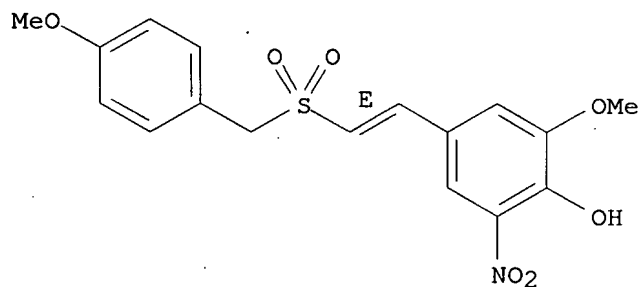
Double bond geometry as shown.



RN 334969-41-4 CAPLUS

CN Phenol, 2-methoxy-4-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-6-nitro- (9CI) (CA INDEX NAME)

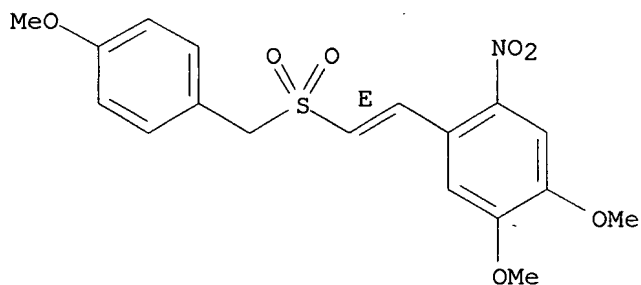
Double bond geometry as shown.



RN 334969-42-5 CAPLUS

CN Benzene, 1,2-dimethoxy-4-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-5-nitro- (9CI) (CA INDEX NAME)

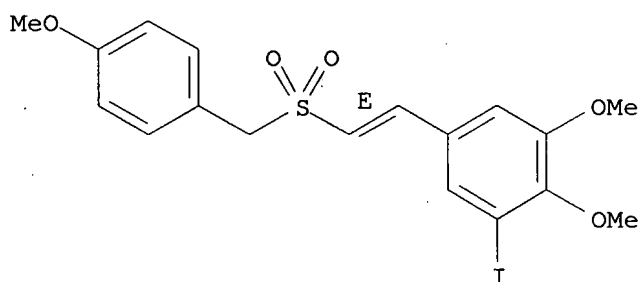
Double bond geometry as shown.



RN 334969-43-6 CAPLUS

CN Benzene, 1-iodo-2,3-dimethoxy-5-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

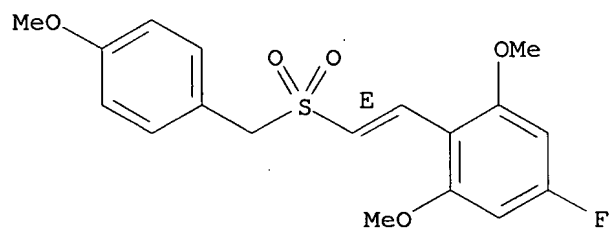
Double bond geometry as shown.



RN 334969-44-7 CAPLUS

CN Benzene, 5-fluoro-1,3-dimethoxy-2-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

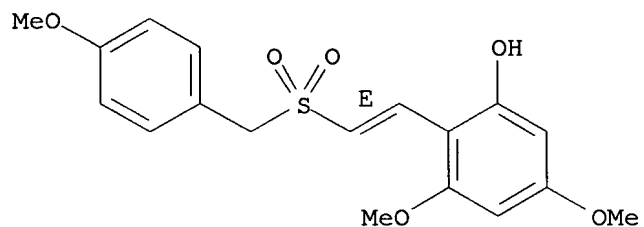
Double bond geometry as shown.



RN 334969-45-8 CAPLUS

CN Phenol, 3,5-dimethoxy-2-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

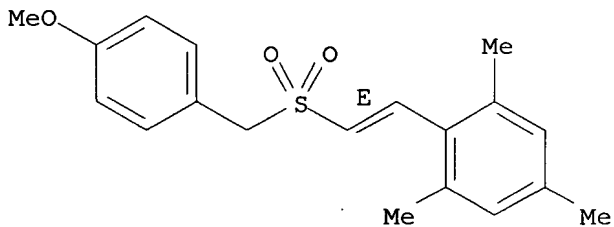
Double bond geometry as shown.



RN 334969-46-9 CAPLUS

CN Benzene, 2-[(1E)-2-[[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]-1,3,5-trimethyl- (9CI) (CA INDEX NAME)

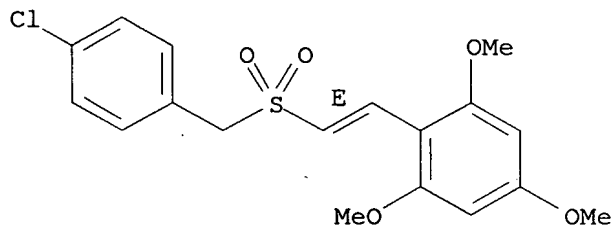
Double bond geometry as shown.



RN 334969-47-0 CAPLUS

CN Benzene, 2-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-1,3,5-trimethoxy- (9CI) (CA INDEX NAME)

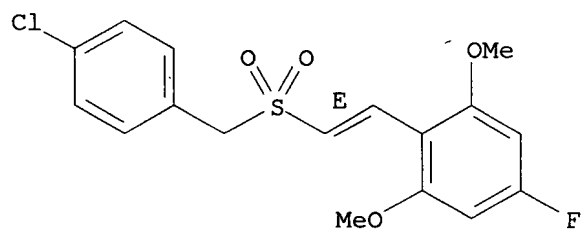
Double bond geometry as shown.



RN 334969-48-1 CAPLUS

CN Benzene, 2-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-5-fluoro-1,3-dimethoxy- (9CI) (CA INDEX NAME)

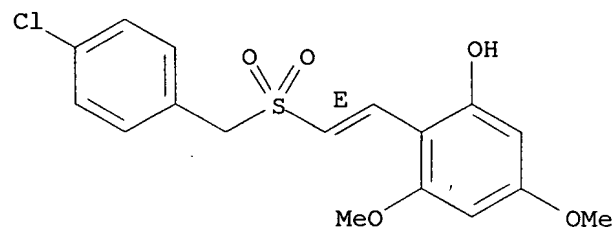
Double bond geometry as shown.



RN 334969-49-2 CAPLUS

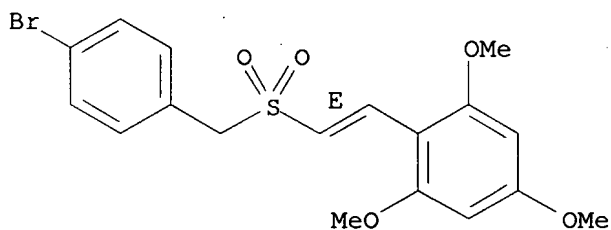
CN Phenol, 2-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-3,5-dimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



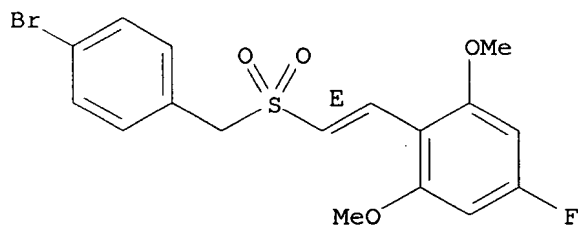
RN 334969-50-5 CAPLUS
CN Benzene, 2-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-1,3,5-trimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



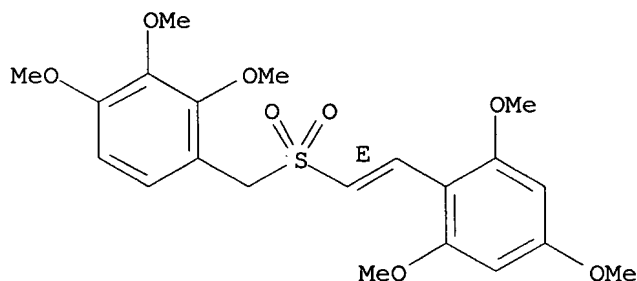
RN 334969-51-6 CAPLUS
CN Benzene, 2-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-5-fluoro-1,3-dimethoxy- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



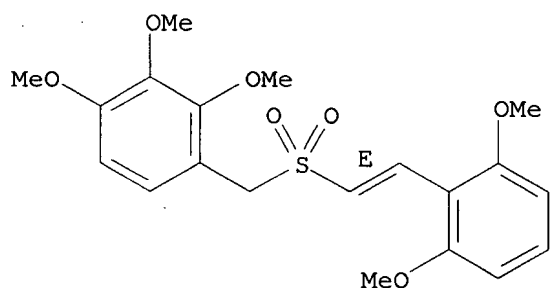
RN 334969-52-7 CAPLUS
CN Benzene, 1,2,3-trimethoxy-4-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl)methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 334969-53-8 CAPLUS
CN Benzene, 1-[[[(1E)-2-(2,6-dimethoxyphenyl)ethenyl]sulfonyl)methyl]-2,3,4-trimethoxy- (9CI) (CA INDEX NAME)

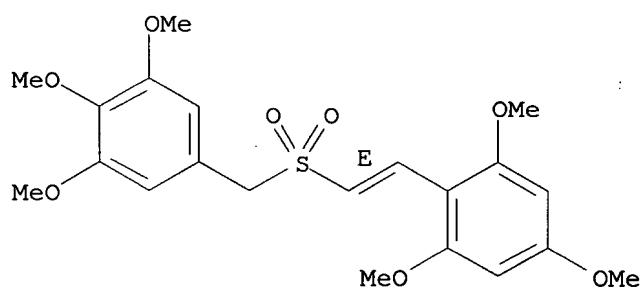
Double bond geometry as shown.



RN 334969-54-9 CAPLUS

CN Benzene, 1,2,3-trimethoxy-5-[[[(1E)-2-(2,4,6-trimethoxyphenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

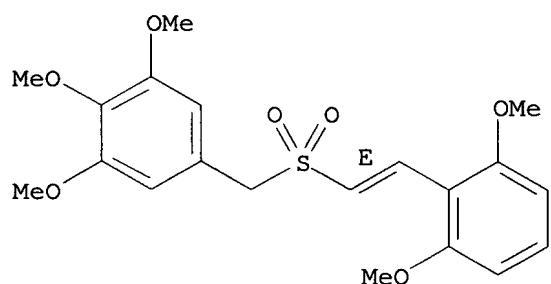
Double bond geometry as shown.



RN 334969-55-0 CAPLUS

CN Benzene, 5-[[[(1E)-2-(2,6-dimethoxyphenyl)ethenyl]sulfonyl]methyl]-1,2,3-trimethoxy- (9CI) (CA INDEX NAME)

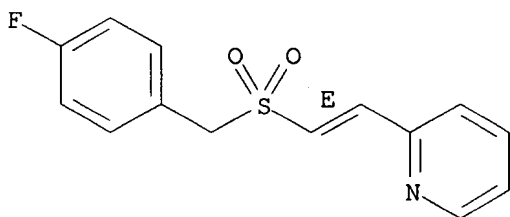
Double bond geometry as shown.



RN 334969-56-1 CAPLUS

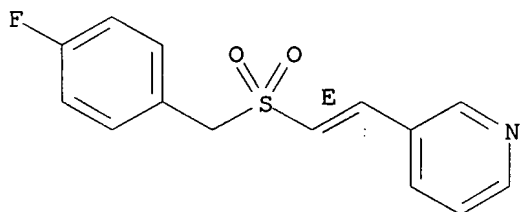
CN Pyridine, 2-[[[(1E)-2-[[[4-(4-fluorophenyl)methyl]sulfonyl]ethenyl]-1,2,3-trimethoxybenzyl]pyridine (9CI) (CA INDEX NAME)

Double bond geometry as shown.



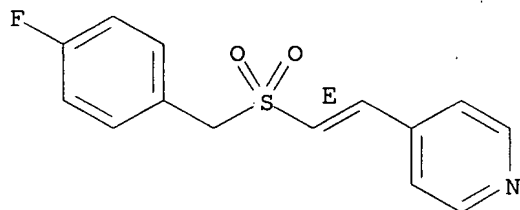
RN 334969-57-2 CAPLUS
 CN Pyridine, 3-[(1E)-2-[[(4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



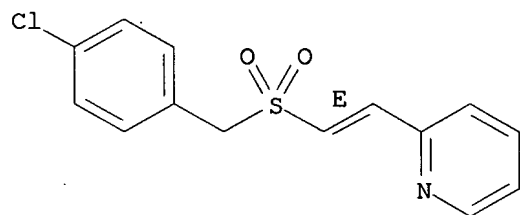
RN 334969-58-3 CAPLUS
 CN Pyridine, 4-[(1E)-2-[[(4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



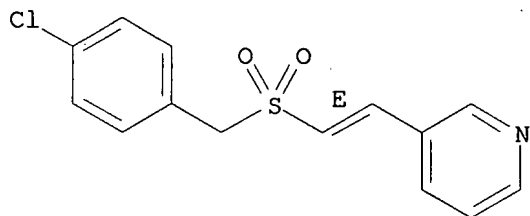
RN 334969-59-4 CAPLUS
 CN Pyridine, 2-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



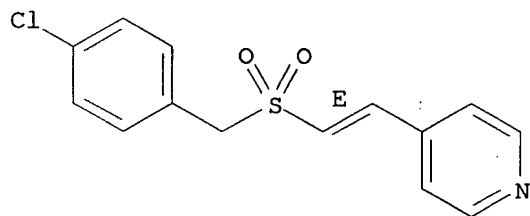
RN 334969-60-7 CAPLUS
 CN Pyridine, 3-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



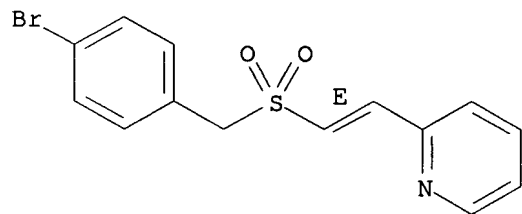
RN 334969-61-8 CAPLUS
CN Pyridine, 4-[(1E)-2-[(4-chlorophenyl)methylsulfonyl]ethenyl]- (CA INDEX NAME)

Double bond geometry as shown.



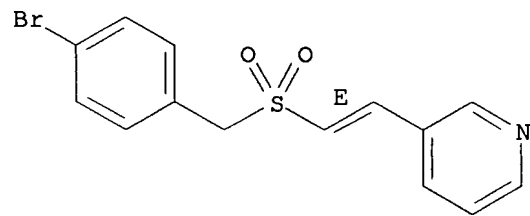
RN 334969-62-9 CAPLUS
CN Pyridine, 2-[(1E)-2-[(4-bromophenyl)methylsulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



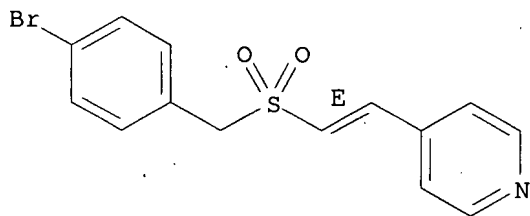
RN 334969-63-0 CAPLUS
CN Pyridine, 3-[(1E)-2-[(4-bromophenyl)methylsulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 334969-64-1 CAPLUS
CN Pyridine, 4-[(1E)-2-[(4-bromophenyl)methylsulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

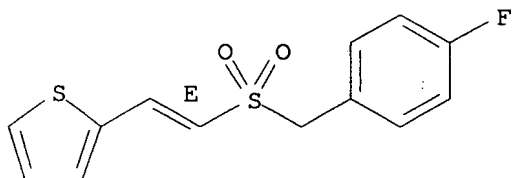
Double bond geometry as shown.



RN 334969-65-2 CAPLUS

CN Thiophene, 2-[(1E)-2-[(4-fluorophenyl)methylsulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

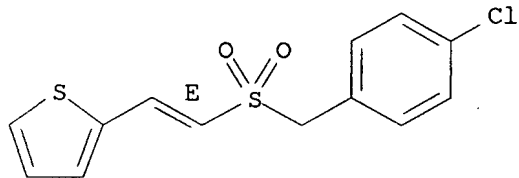
Double bond geometry as shown.



RN 334969-66-3 CAPLUS

CN Thiophene, 2-[(1E)-2-[(4-chlorophenyl)methylsulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

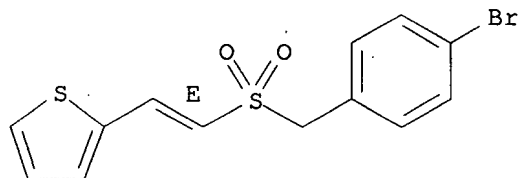
Double bond geometry as shown.



RN 334969-67-4 CAPLUS

CN Thiophene, 2-[(1E)-2-[(4-bromophenyl)methylsulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

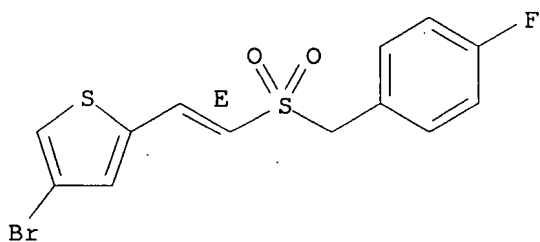
Double bond geometry as shown.



RN 334969-68-5 CAPLUS

CN Thiophene, 4-bromo-2-[(1E)-2-[(4-fluorophenyl)methylsulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

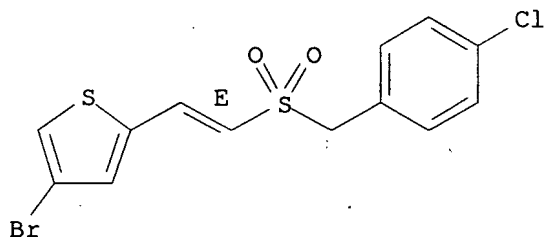
Double bond geometry as shown.



RN 334969-69-6 CAPLUS

CN Thiophene, 4-bromo-2-[(1E)-2-[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

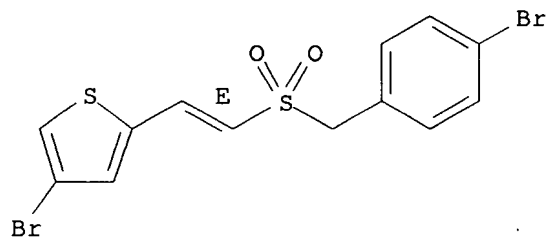
Double bond geometry as shown.



RN 334969-70-9 CAPLUS

CN Thiophene, 4-bromo-2-[(1E)-2-[(4-bromophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

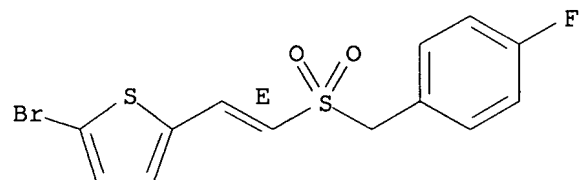
Double bond geometry as shown.



RN 334969-71-0 CAPLUS

CN Thiophene, 2-bromo-5-[(1E)-2-[(4-fluorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

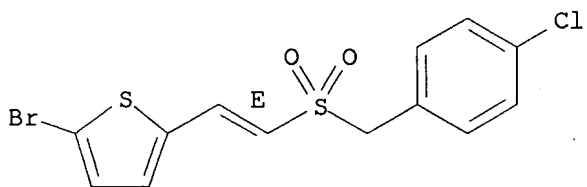
Double bond geometry as shown.



RN 334969-72-1 CAPLUS

CN Thiophene, 2-bromo-5-[(1E)-2-[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

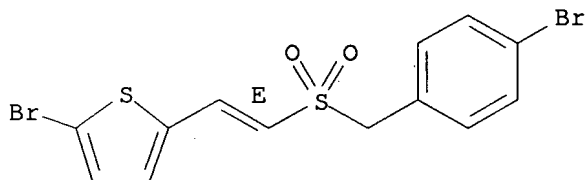
Double bond geometry as shown.



RN 334969-73-2 CAPLUS

CN Thiophene, 2-bromo-5-[(1E)-2-[(4-bromophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

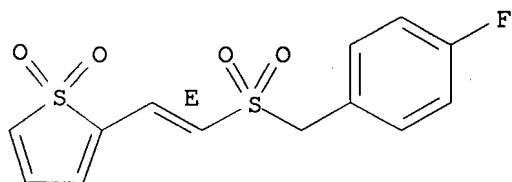
Double bond geometry as shown.



RN 334969-74-3 CAPLUS

CN Thiophene, 2-[(1E)-2-[(4-fluorophenyl)methyl]sulfonyl]ethenyl]-,
1,1-dioxide (9CI) (CA INDEX NAME)

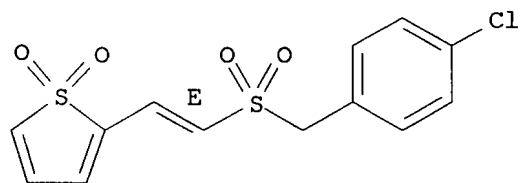
Double bond geometry as shown.



RN 334969-75-4 CAPLUS

CN Thiophene, 2-[(1E)-2-[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-,
1,1-dioxide (9CI) (CA INDEX NAME)

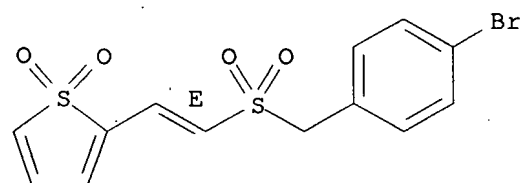
Double bond geometry as shown.



RN 334969-76-5 CAPLUS

CN Thiophene, 2-[(1E)-2-[(4-bromophenyl)methyl]sulfonyl]ethenyl]-,
1,1-dioxide (9CI) (CA INDEX NAME)

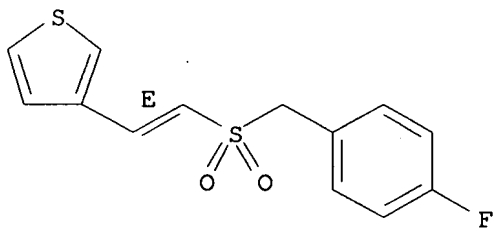
Double bond geometry as shown.



RN 334969-77-6 CAPLUS

CN Thiophene, 3-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

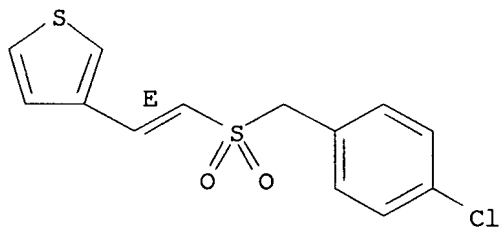
Double bond geometry as shown.



RN 334969-78-7 CAPLUS

CN Thiophene, 3-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

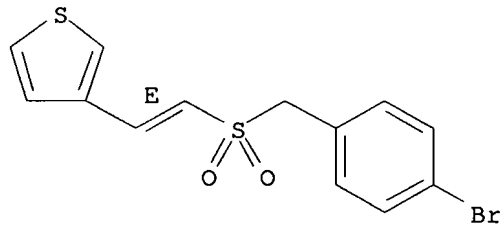
Double bond geometry as shown.



RN 334969-79-8 CAPLUS

CN Thiophene, 3-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

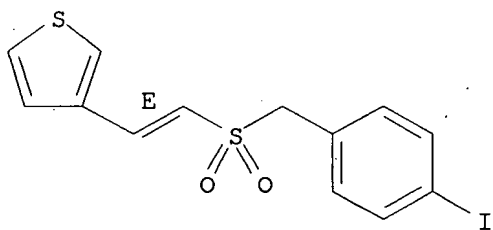
Double bond geometry as shown.



RN 334969-80-1 CAPLUS

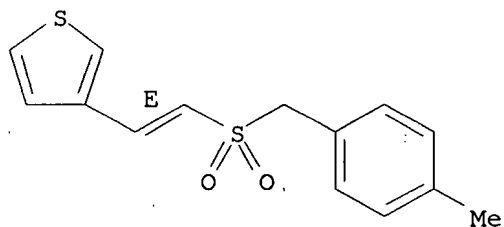
CN Thiophene, 3-[(1E)-2-[[4-iodophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

Double bond geometry as shown.



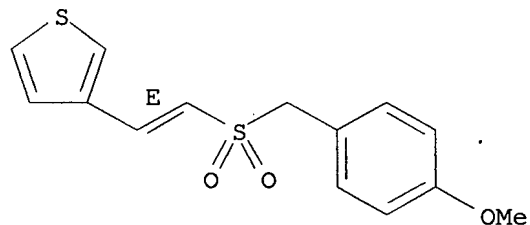
RN 334969-81-2 CAPLUS
 CN Thiophene, 3-[(1E)-2-[[4-methylphenyl]methyl]sulfonyl]ethenyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



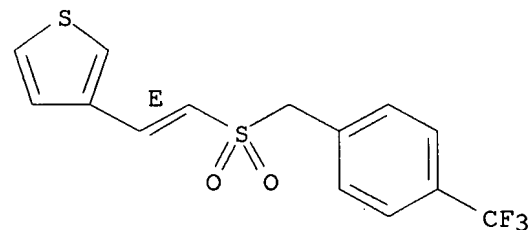
RN 334969-82-3 CAPLUS
 CN Thiophene, 3-[(1E)-2-[[4-methoxyphenyl]methyl]sulfonyl]ethenyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



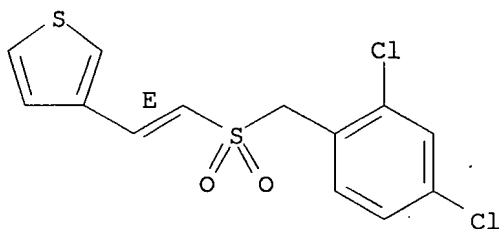
RN 334969-83-4 CAPLUS
 CN Thiophene, 3-[(1E)-2-[[[4-(trifluoromethyl)phenyl]methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 334969-84-5 CAPLUS
 CN Thiophene, 3-[(1E)-2-[[2,4-dichlorophenyl]methyl]sulfonyl]ethenyl]- (9CI)
 (CA INDEX NAME)

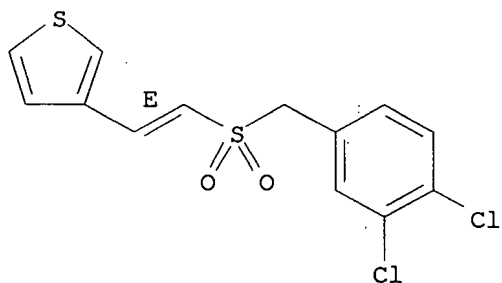
Double bond geometry as shown.



RN 334969-85-6 CAPLUS

CN Thiophene, 3-[(1E)-2-[(3,4-dichlorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

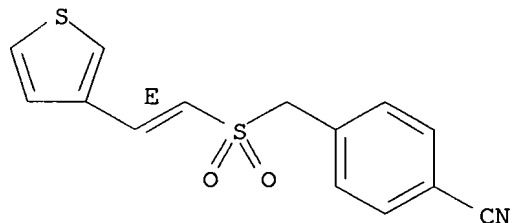
Double bond geometry as shown.



RN 334969-86-7 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(3-thienyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
INDEX NAME)

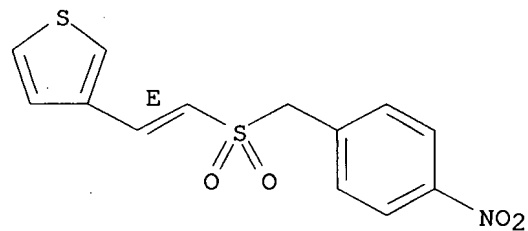
Double bond geometry as shown.



RN 334969-87-8 CAPLUS

CN Thiophene, 3-[(1E)-2-[[4-nitrophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

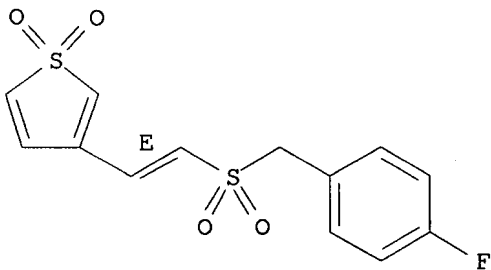
Double bond geometry as shown.



RN 334969-88-9 CAPLUS

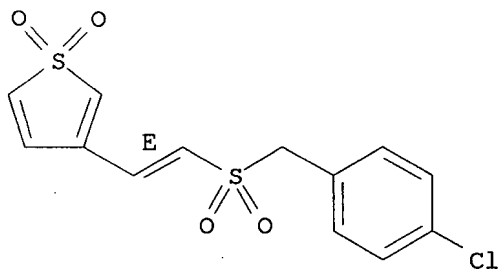
CN Thiophene, 3-[(1E)-2-[[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-,
1,1-dioxide (9CI) (CA INDEX NAME)

Double bond geometry as shown.



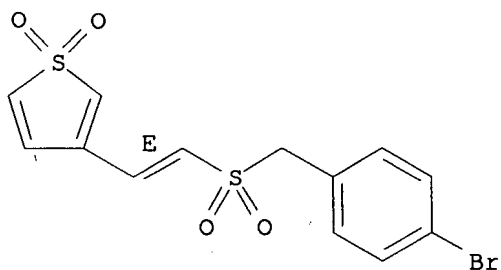
RN 334969-89-0 CAPLUS
CN Thiophene, 3-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-,
1,1-dioxide (9CI) (CA INDEX NAME)

Double bond geometry as shown.



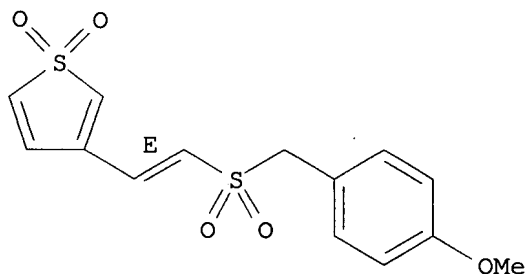
RN 334969-90-3 CAPLUS
CN Thiophene, 3-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-,
1,1-dioxide (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 334969-91-4 CAPLUS
CN Thiophene, 3-[(1E)-2-[[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]-,
1,1-dioxide (9CI) (CA INDEX NAME)

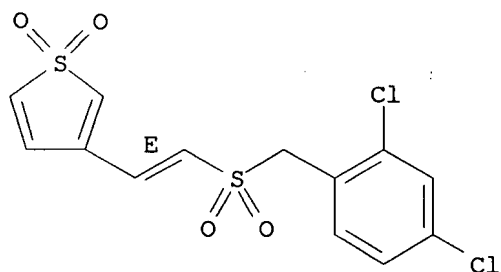
Double bond geometry as shown.



RN 334969-92-5 CAPLUS

CN Thiophene, 3-[(1E)-2-[(2,4-dichlorophenyl)methylsulfonyl]ethenyl]-, 1,1-dioxide (9CI) (CA INDEX NAME)

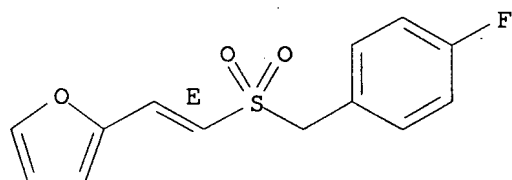
Double bond geometry as shown.



RN 334969-93-6 CAPLUS

CN Furan, 2-[(1E)-2-[(4-fluorophenyl)methylsulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

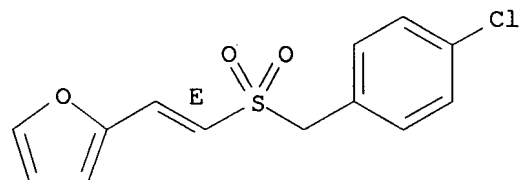
Double bond geometry as shown.



RN 334969-94-7 CAPLUS

CN Furan, 2-[(1E)-2-[(4-chlorophenyl)methylsulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

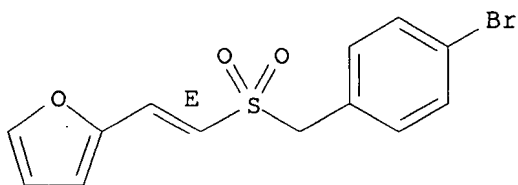
Double bond geometry as shown.



RN 334969-95-8 CAPLUS

CN Furan, 2-[(1E)-2-[(4-bromophenyl)methylsulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

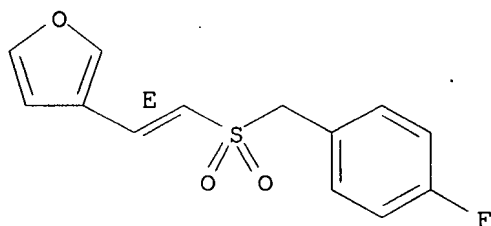
Double bond geometry as shown.



RN 334969-96-9 CAPLUS

CN Furan, 3-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

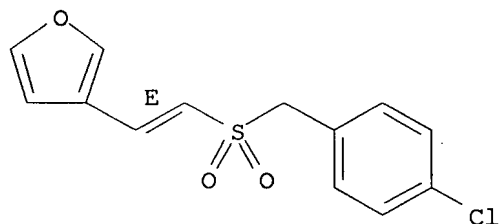
Double bond geometry as shown.



RN 334969-97-0 CAPLUS

CN Furan, 3-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

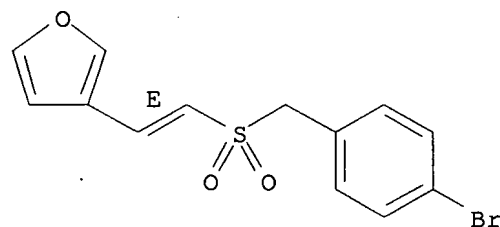
Double bond geometry as shown.



RN 334969-98-1 CAPLUS

CN Furan, 3-[(1E)-2-[[4-iodophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

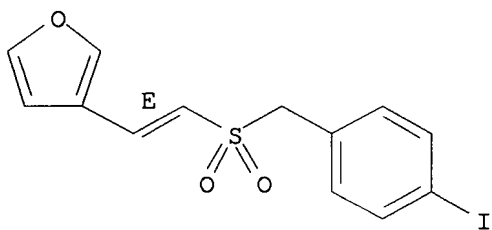
Double bond geometry as shown.



RN 334969-99-2 CAPLUS

CN Furan, 3-[(1E)-2-[[4-iodophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

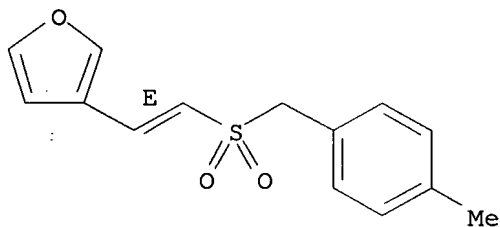
Double bond geometry as shown.



RN 334970-00-2 CAPLUS

CN Furan, 3-[(1E)-2-[[4-methylphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

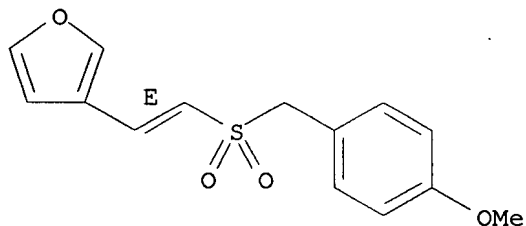
Double bond geometry as shown.



RN 334970-01-3 CAPLUS

CN Furan, 3-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

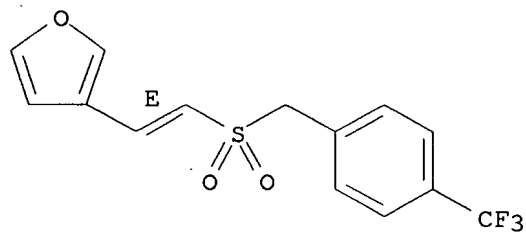
Double bond geometry as shown.



RN 334970-02-4 CAPLUS

CN Furan, 3-[(1E)-2-[[4-(trifluoromethyl)phenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

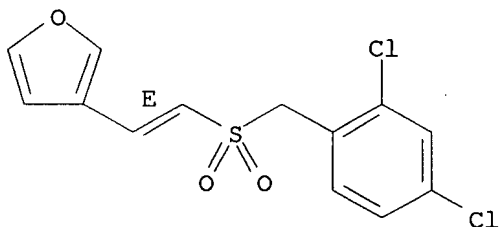
Double bond geometry as shown.



RN 334970-03-5 CAPLUS

CN Furan, 3-[(1E)-2-[[2,4-dichlorophenyl)methyl]sulfonyl]ethenyl]- (CA INDEX NAME)

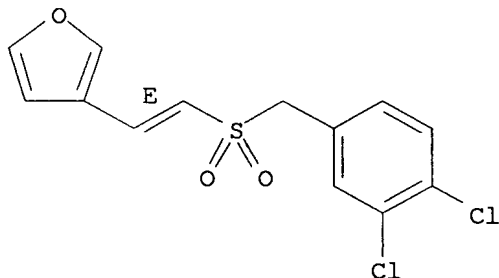
Double bond geometry as shown.



RN 334970-04-6 CAPLUS

CN Furan, 3-[(1E)-2-[[3,4-dichlorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

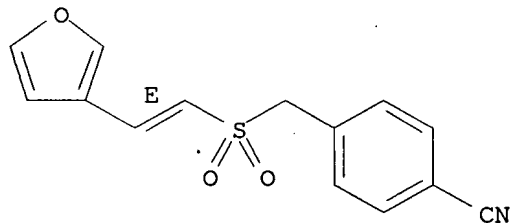
Double bond geometry as shown.



RN 334970-05-7 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(3-furanyl)ethenyl]sulfonyl]methyl]- (9CI) (CA
INDEX NAME)

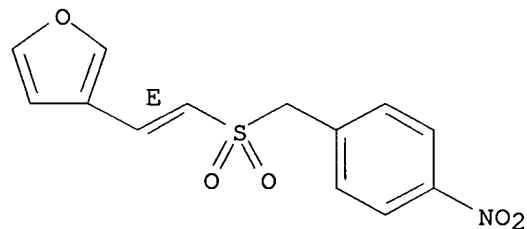
Double bond geometry as shown.



RN 334970-06-8 CAPLUS

CN Furan, 3-[(1E)-2-[[4-nitrophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

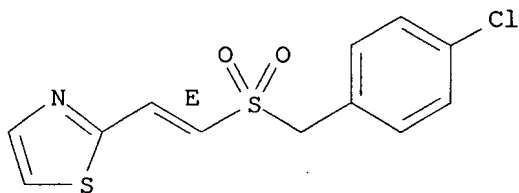
Double bond geometry as shown.



RN 334970-07-9 CAPLUS

CN Thiazole, 2-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

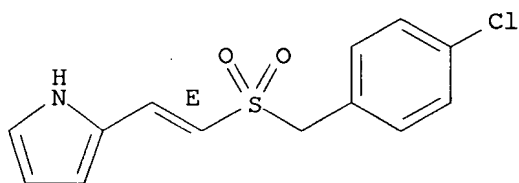
Double bond geometry as shown.



RN 334970-08-0 CAPLUS

CN 1H-Pyrrole, 2-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

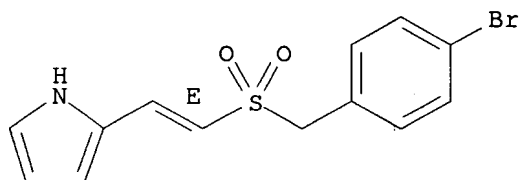
Double bond geometry as shown.



RN 334970-09-1 CAPLUS

CN 1H-Pyrrole, 2-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

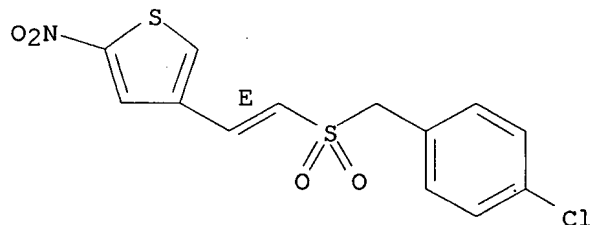
Double bond geometry as shown.



RN 334970-10-4 CAPLUS

CN Thiophene, 4-[(1E)-2-[[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-2-nitro- (9CI) (CA INDEX NAME)

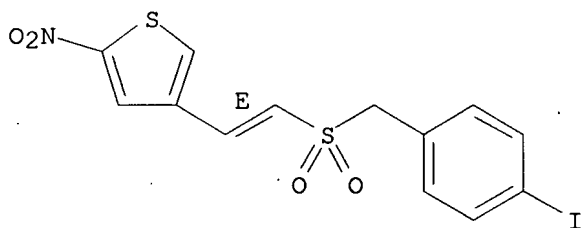
Double bond geometry as shown.



RN 334970-11-5 CAPLUS

CN Thiophene, 4-[(1E)-2-[[[4-iodophenyl)methyl]sulfonyl]ethenyl]-2-nitro- (9CI) (CA INDEX NAME)

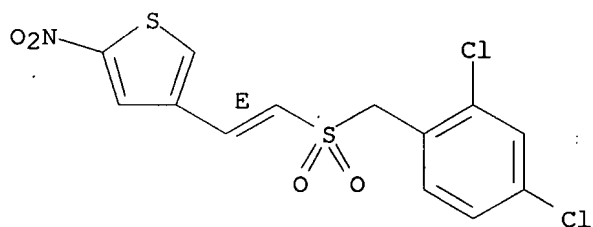
Double bond geometry as shown.



RN 334970-12-6 CAPLUS

CN Thiophene, 4-[(1E)-2-[[2-(4-iodophenyl)methyl]sulfonyl]ethenyl]-2-nitro- (9CI) (CA INDEX NAME)

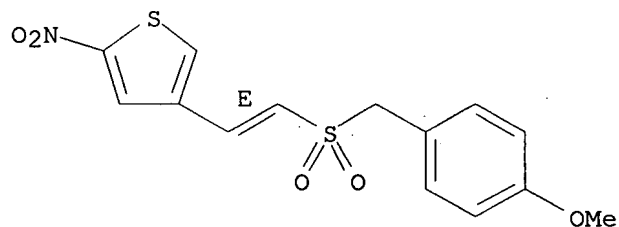
Double bond geometry as shown.



RN 334970-13-7 CAPLUS

CN Thiophene, 4-[(1E)-2-[[2-(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-2-nitro- (9CI) (CA INDEX NAME)

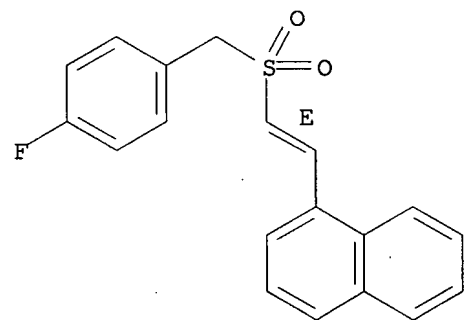
Double bond geometry as shown.



RN 334970-14-8 CAPLUS

CN Naphthalene, 1-[(1E)-2-[[2-(4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

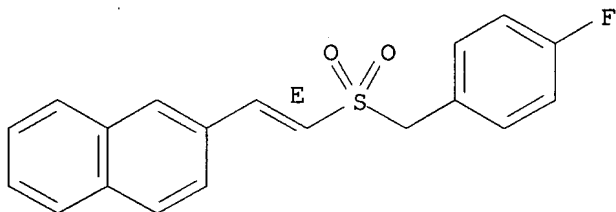
Double bond geometry as shown.



RN 334970-15-9 CAPLUS

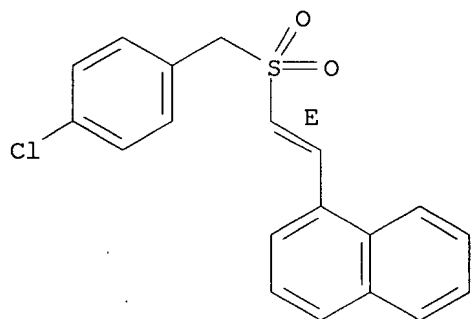
CN Naphthalene, 2-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



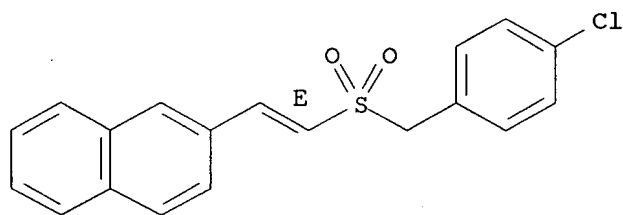
RN 334970-16-0 CAPLUS
CN Naphthalene, 1-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



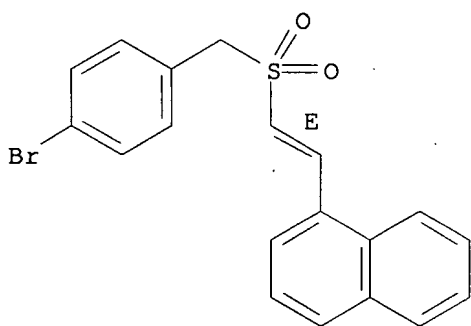
RN 334970-17-1 CAPLUS
CN Naphthalene, 2-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



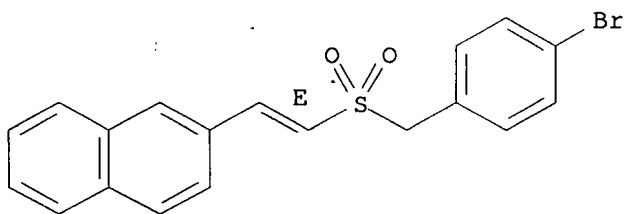
RN 334970-18-2 CAPLUS
CN Naphthalene, 1-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



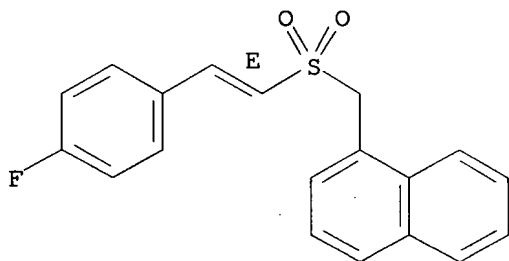
RN 334970-19-3 CAPLUS
 CN Naphthalene, 2-[(1E)-2-[(4-bromophenyl)methyl]sulfonyl]ethenyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



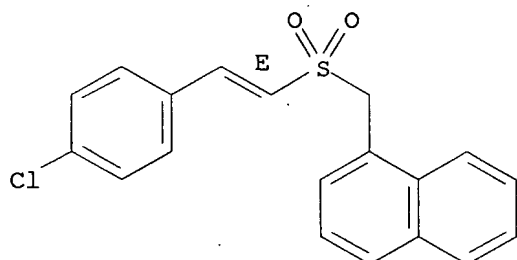
RN 334970-20-6 CAPLUS
 CN Naphthalene, 1-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



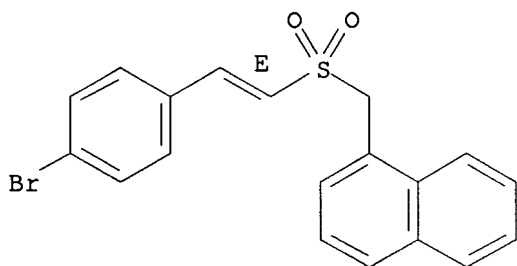
RN 334970-21-7 CAPLUS
 CN Naphthalene, 1-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



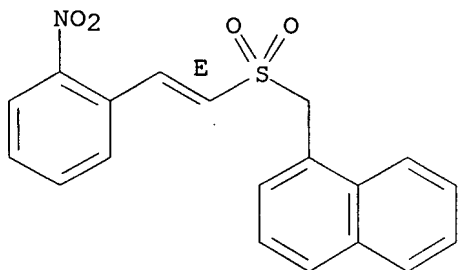
RN 334970-22-8 CAPLUS
CN Naphthalene, 1-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonylmethyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



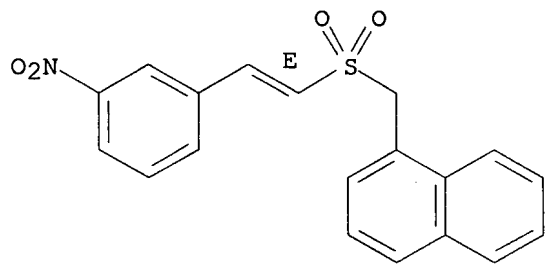
RN 334970-23-9 CAPLUS
CN Naphthalene, 1-[[[(1E)-2-(2-nitrophenyl)ethenyl]sulfonylmethyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



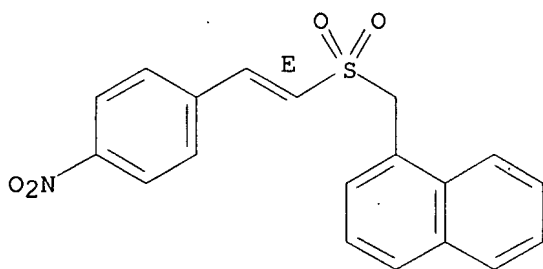
RN 334970-24-0 CAPLUS
CN Naphthalene, 1-[[[(1E)-2-(3-nitrophenyl)ethenyl]sulfonylmethyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



RN 334970-25-1 CAPLUS
CN Naphthalene, 1-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonylmethyl]- (9CI)
(CA INDEX NAME)

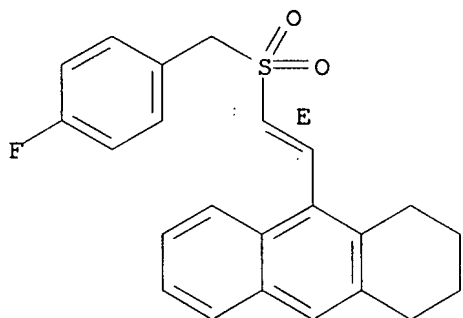
Double bond geometry as shown.



RN 334970-26-2 CAPLUS

CN Anthracene, 9-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)

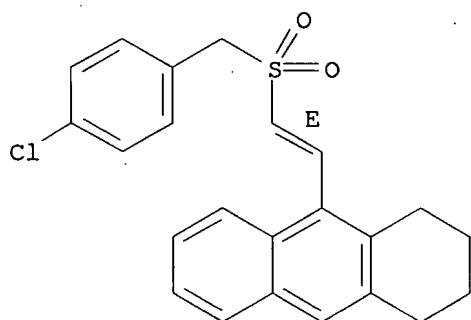
Double bond geometry as shown.



RN 334970-27-3 CAPLUS

CN Anthracene, 9-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)

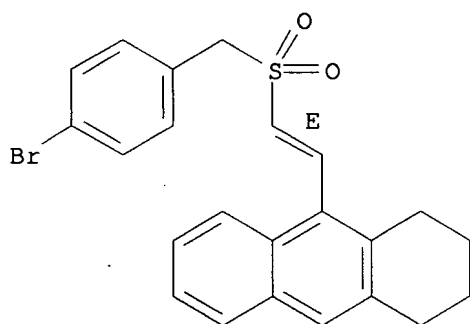
Double bond geometry as shown.



RN 334970-28-4 CAPLUS

CN Anthracene, 9-[(1E)-2-[[4-bromophenyl)methyl]sulfonyl]ethenyl]-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 40 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:725456 CAPLUS

DOCUMENT NUMBER: 133:296275

TITLE: Preparation of (E)-styryl sulfone anticancer agents

INVENTOR(S): Reddy, E. Premkumar; Reddy, M. V. Ramana

PATENT ASSIGNEE(S): Temple University - of the Commonwealth System of Higher Education, USA

SOURCE: PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

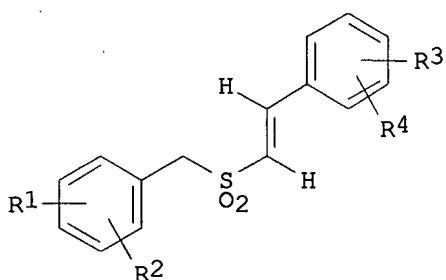
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2366750	A1	20001012	CA 2000-2366750	20000331
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JP 2002541102	T	20021203	JP 2000-609059	20000331
AU 774738	B2	20040708	AU 2000-41853	20000331
AT 298234	T	20050715	AT 2000-921553	20000331
US 6762207	B1	20040713	US 2001-937684	20010928
IN 2001DN00898	A	20070309	IN 2001-DN898	20011003
US 2003216535	A1	20031120	US 2003-462919	20030616
US 6787667	B2	20040907		
US 2004229959	A1	20041118	US 2004-848454	20040518
US 7056953	B2	20060606		
PRIORITY APPLN. INFO.:			US 1999-127683P	P 19990402
			US 1999-143975P	P 19990715
			WO 2000-US8565	W 20000331
			US 2001-937684	A3 20010928

OTHER SOURCE(S): MARPAT 133:296275

GI



I

AB The title compds. [I; R1-R4 = H, F, Cl, etc. (with the proviso that R1-R3 not all are H when R4 = 2-Cl or 4-Cl; when R1 and R3 = H and R2 = 4-Br or 4-Cl, then R4 may not be 4-Cl, 4-F or 4-Br; when R1 and R3 = H and R2 = 4-F, then R4 may not be 4-F or 4-Br; when R1 = H, and R4 = 2-F, the R2 and R3 may not be 4-F; and when R1 = H and R3 = 4-H, 4-Cl, 4-Br, 4-Me or 4-MeO, and R4 = 2-H, 2-Cl, or 2-F, then R2 may not be 4-H, 4-Cl, 4-F, or 4-Br)], useful as anticancer agents, were prepared. General procedures for synthesis of compds. I was given. E.g., the prepared compound (E)-I [R1 = 4-Cl; R2 = H; R3 = 2-Cl; R4 = 4-F] showed high activity (above 80%) against breast tumor cell line MCF-7 and prostate tumor cell line DU-145. The compds. I may be utilized as monomers in the synthesis of polymers having pendant aryl and benzyldisulfone groups (no data).

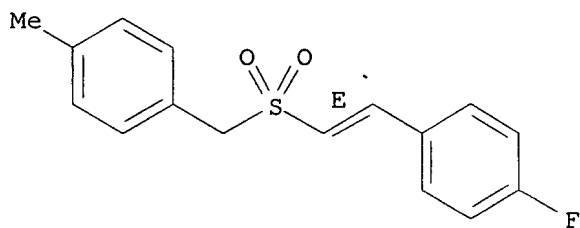
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 300699-98-3P 300699-99-4P 300700-00-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of (E)-styryl sulfone anticancer agents)

RN 118672-24-5 CAPLUS

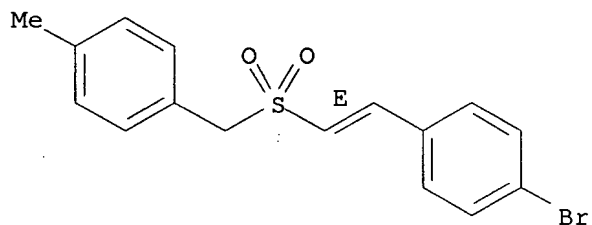
CN Benzene, 1-fluoro-4-[(1E)-2-[[4-(4-methylphenyl)methyl]sulfonyl]ethenyl]-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



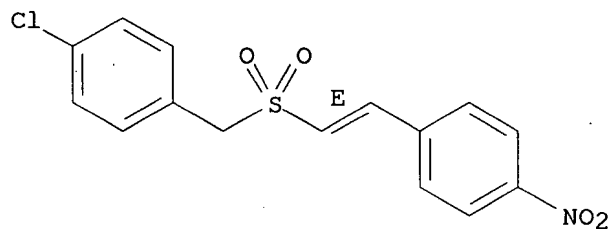
RN 118672-26-7 CAPLUS
 CN Benzene, 1-bromo-4-[(1E)-2-[[4-methylphenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



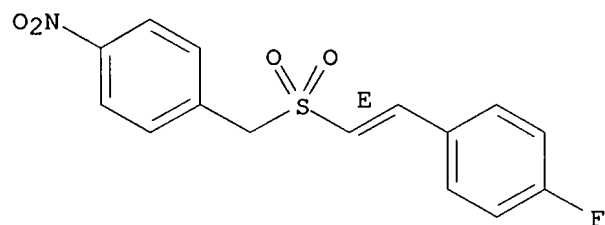
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 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



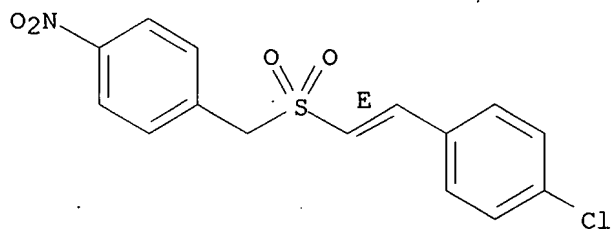
RN 118672-33-6 CAPLUS
 CN Benzene, 1-fluoro-4-[(1E)-2-[[4-nitrophenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 118672-34-7 CAPLUS
 CN Benzene, 1-chloro-4-[(1E)-2-[[4-nitrophenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

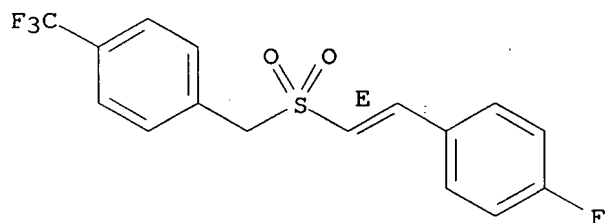
Double bond geometry as shown.



RN 300699-33-6 CAPLUS

CN Benzene, 1-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-4-(trifluoromethyl)- (CA INDEX NAME)

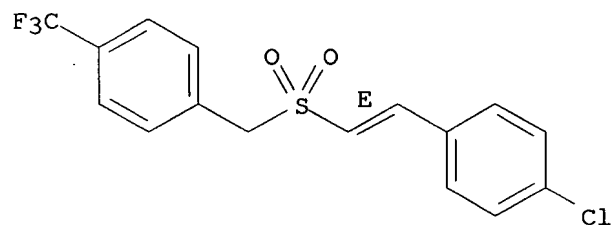
Double bond geometry as shown.



RN 300699-34-7 CAPLUS

CN Benzene, 1-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

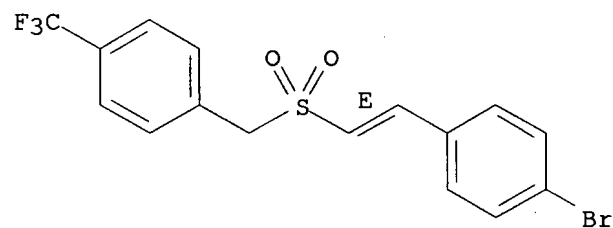
Double bond geometry as shown.



RN 300699-35-8 CAPLUS

CN Benzene, 1-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

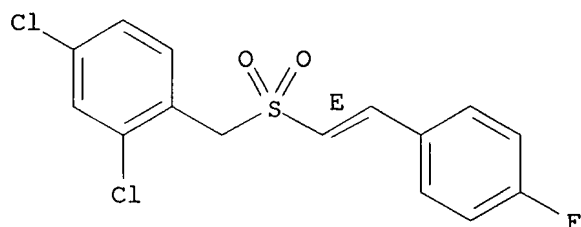
Double bond geometry as shown.



RN 300699-36-9 CAPLUS

CN Benzene, 2,4-dichloro-1-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

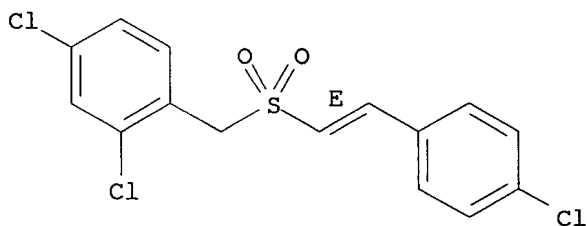
Double bond geometry as shown.



RN 300699-37-0 CAPLUS

CN Benzene, 2,4-dichloro-1-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

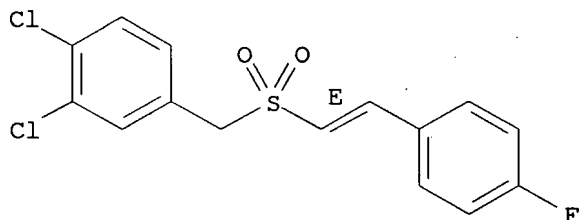
Double bond geometry as shown.



RN 300699-39-2 CAPLUS

CN Benzene, 1,2-dichloro-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

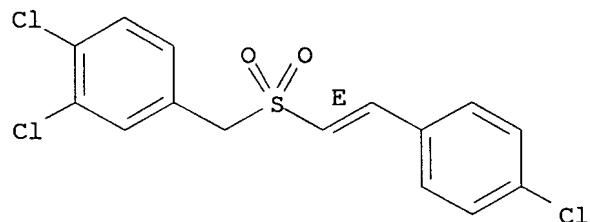
Double bond geometry as shown.



RN 300699-40-5 CAPLUS

CN Benzene, 1,2-dichloro-4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.

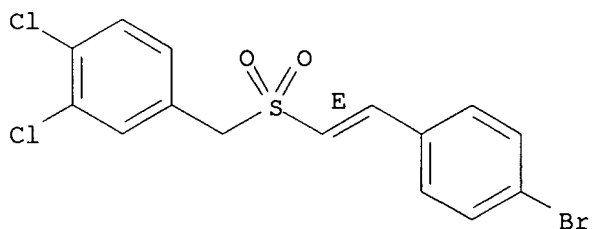


RN 300699-41-6 CAPLUS

CN Benzene, 4-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-1,2-dichloro-

(9CI) (CA INDEX NAME)

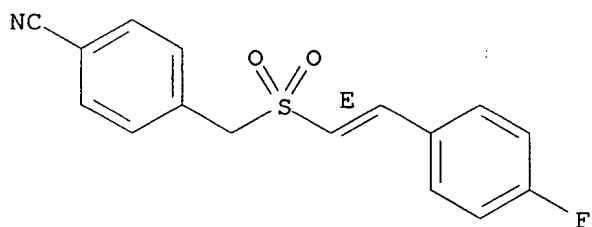
Double bond geometry as shown.



RN 300699-42-7 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

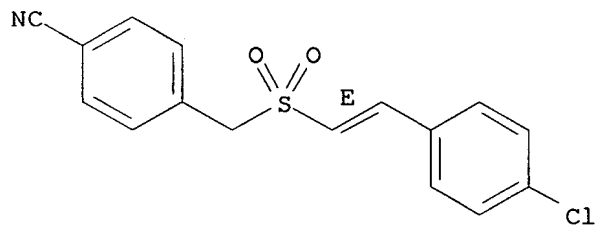
Double bond geometry as shown.



RN 300699-43-8 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

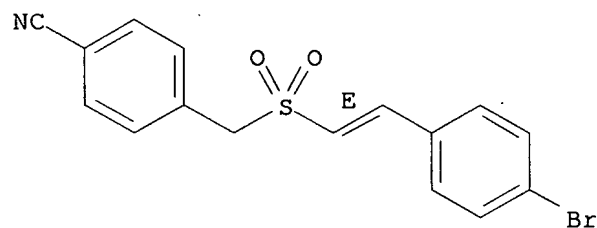
Double bond geometry as shown.



RN 300699-44-9 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

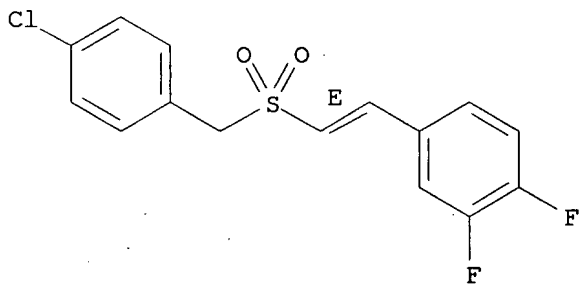
Double bond geometry as shown.



RN 300699-45-0 CAPLUS

CN Benzene, 4-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-1,2-difluoro-
(9CI) (CA INDEX NAME)

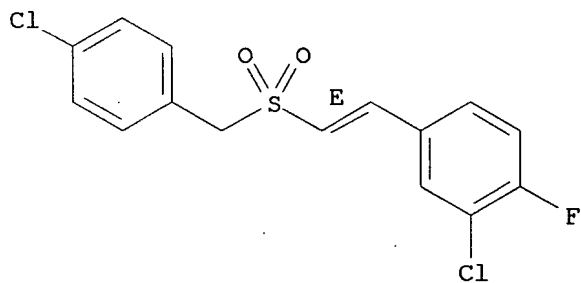
Double bond geometry as shown.



RN 300699-46-1 CAPLUS

CN Benzene, 2-chloro-4-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-1-fluoro- (9CI) (CA INDEX NAME)

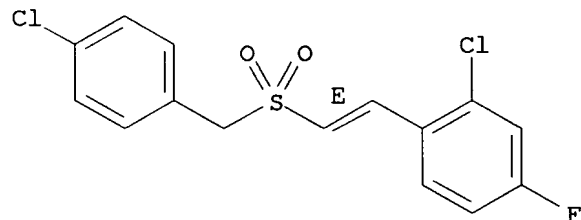
Double bond geometry as shown.



RN 300699-47-2 CAPLUS

CN Benzene, 2-chloro-1-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-4-fluoro- (9CI) (CA INDEX NAME)

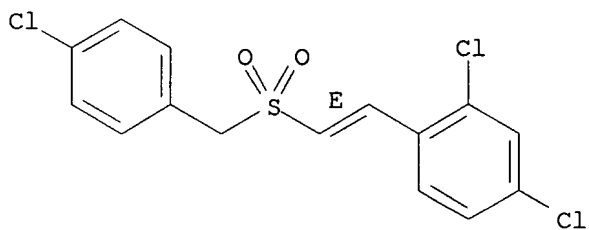
Double bond geometry as shown.



RN 300699-48-3 CAPLUS

CN Benzene, 2,4-dichloro-1-[(1E)-2-[[(4-chlorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

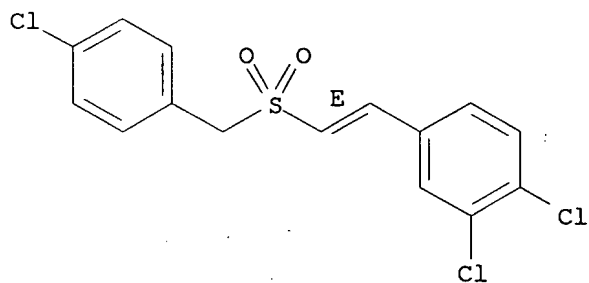
Double bond geometry as shown.



RN 300699-49-4 CAPLUS

CN Benzene, 1,2-dichloro-4-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

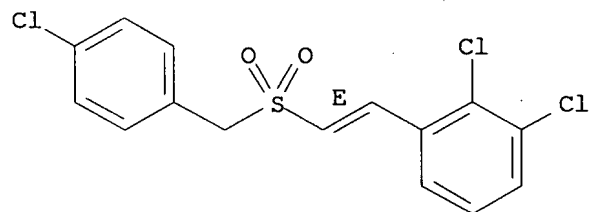
Double bond geometry as shown.



RN 300699-50-7 CAPLUS

CN Benzene, 1,2-dichloro-3-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

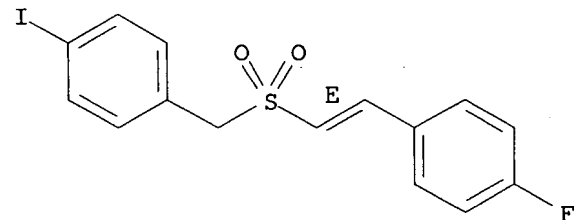
Double bond geometry as shown.



RN 300699-51-8 CAPLUS

CN Benzene, 1-fluoro-4-[(1E)-2-[[4-iodophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.

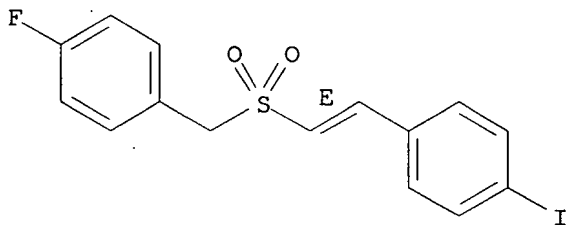


RN 300699-53-0 CAPLUS

CN Benzene, 1-fluoro-4-[[[(1E)-2-(4-iodophenyl)ethenyl]sulfonyl]methyl]-

(9CI) (CA INDEX NAME)

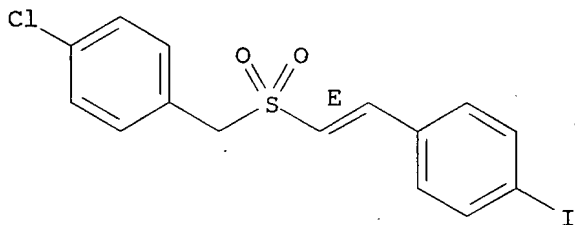
Double bond geometry as shown.



RN 300699-54-1 CAPLUS

CN Benzene, 1-chloro-4-[[[(1E)-2-(4-iodophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

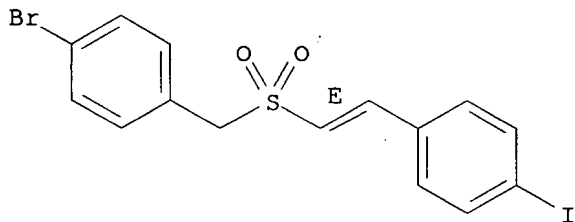
Double bond geometry as shown.



RN 300699-55-2 CAPLUS

CN Benzene, 1-bromo-4-[[[(1E)-2-(4-iodophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

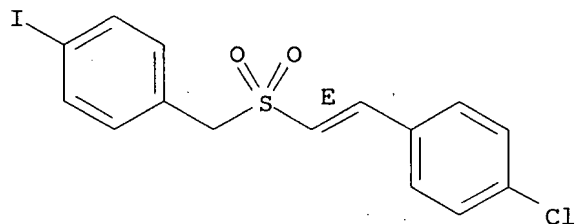
Double bond geometry as shown.



RN 300699-56-3 CAPLUS

CN Benzene, 1-chloro-4-[(1E)-2-[[4-iodophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

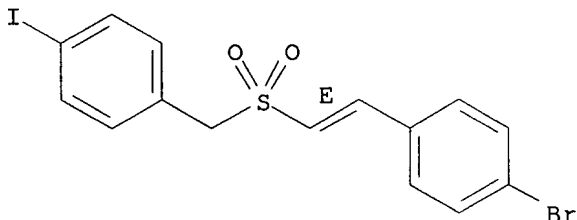
Double bond geometry as shown.



RN 300699-57-4 CAPLUS

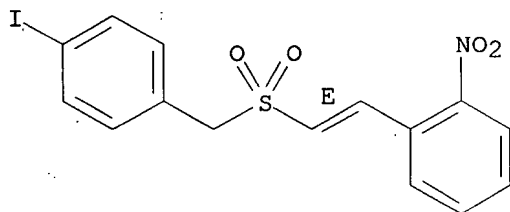
CN Benzene, 1-bromo-4-[(1E)-2-[[4-iodophenyl)methyl]sulfonyl]ethenyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



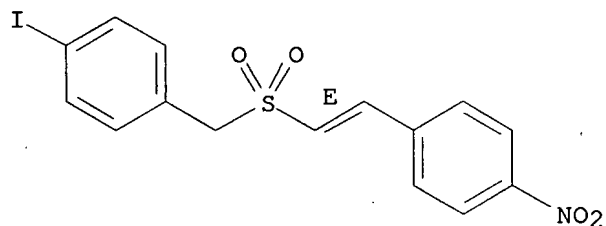
RN 300699-58-5 CAPLUS
CN Benzene, 1-[(1E)-2-[[4-iodophenyl)methyl]sulfonyl]ethenyl]-2-nitro- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



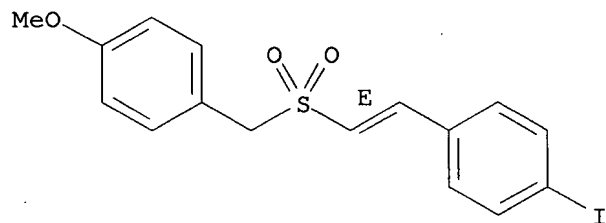
RN 300699-59-6 CAPLUS
CN Benzene, 1-iodo-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



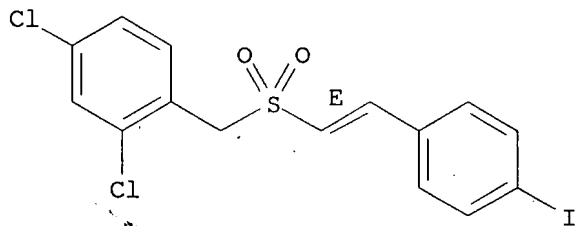
RN 300699-60-9 CAPLUS
CN Benzene, 1-iodo-4-[(1E)-2-[[4-methoxyphenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



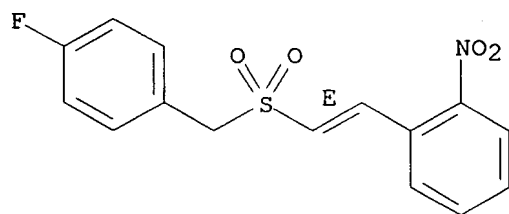
RN 300699-61-0 CAPLUS
CN Benzene, 2,4-dichloro-1-[[[(1E)-2-(4-iodophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



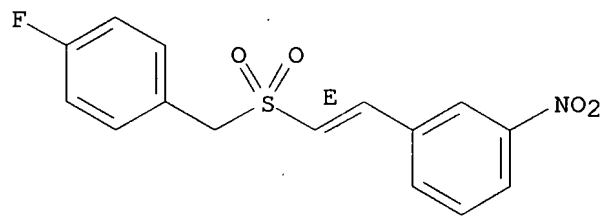
RN 300699-62-1 CAPLUS
CN Benzene, 1-[(1E)-2-[[[(4-fluorophenyl)methyl]sulfonyl]ethenyl]-2-nitro-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



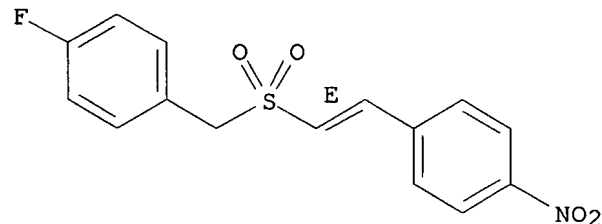
RN 300699-63-2 CAPLUS
CN Benzene, 1-[(1E)-2-[[[(4-fluorophenyl)methyl]sulfonyl]ethenyl]-3-nitro-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 300699-64-3 CAPLUS
CN Benzene, 1-fluoro-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

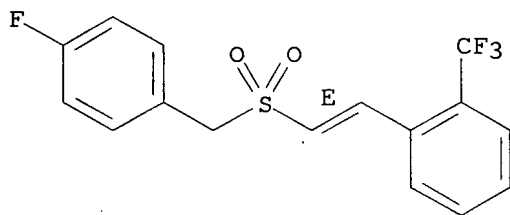
Double bond geometry as shown.



RN 300699-67-6 CAPLUS

CN Benzene, 1-[(1E)-2-[[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

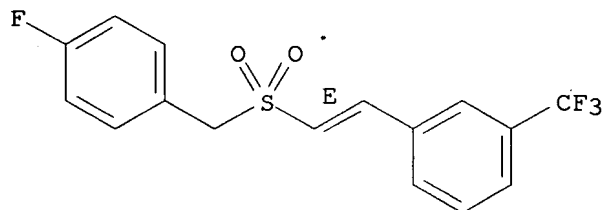
Double bond geometry as shown.



RN 300699-68-7 CAPLUS

CN Benzene, 1-[(1E)-2-[[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

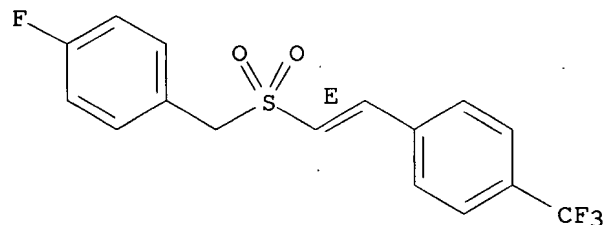
Double bond geometry as shown.



RN 300699-70-1 CAPLUS

CN Benzene, 1-[(1E)-2-[[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

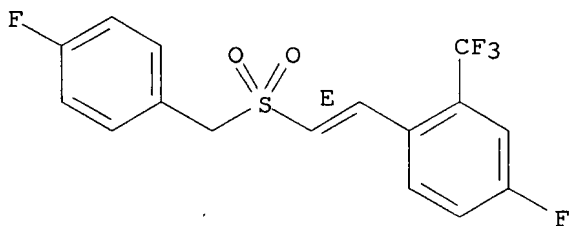
Double bond geometry as shown.



RN 300699-71-2 CAPLUS

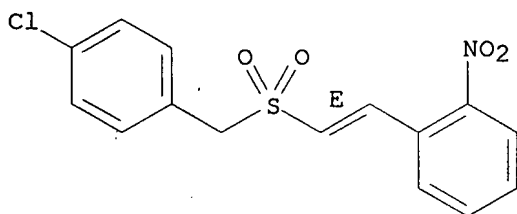
CN Benzene, 4-fluoro-1-[(1E)-2-[[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



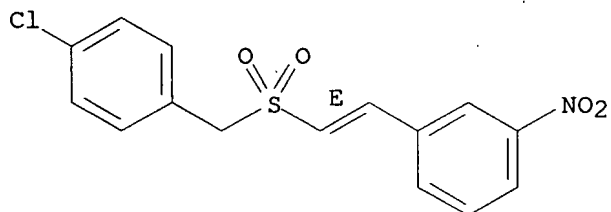
RN 300699-72-3 CAPLUS
 CN Benzene, 1-[(1E)-2-[[4-(4-chlorophenyl)methyl]sulfonyl]ethenyl]-2-nitro-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



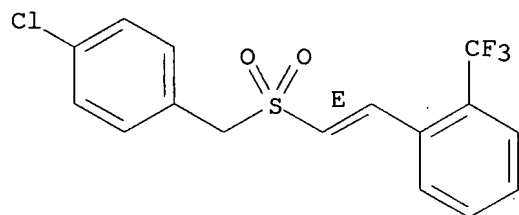
RN 300699-73-4 CAPLUS
 CN Benzene, 1-[(1E)-2-[[4-(4-chlorophenyl)methyl]sulfonyl]ethenyl]-3-nitro-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



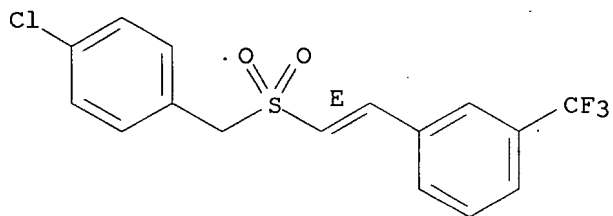
RN 300699-74-5 CAPLUS
 CN Benzene, 1-[(1E)-2-[[4-(4-chlorophenyl)methyl]sulfonyl]ethenyl]-2-
 (trifluoromethyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 300699-75-6 CAPLUS
 CN Benzene, 1-[(1E)-2-[[4-(4-chlorophenyl)methyl]sulfonyl]ethenyl]-3-
 (trifluoromethyl)- (9CI) (CA INDEX NAME)

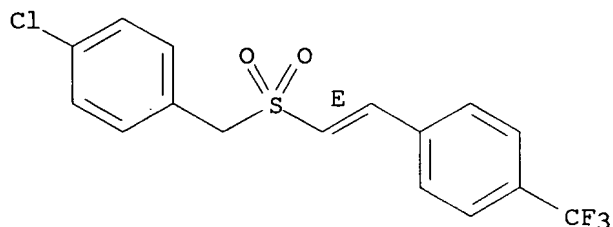
Double bond geometry as shown.



RN 300699-76-7 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

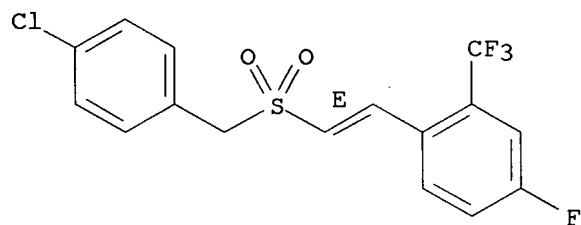
Double bond geometry as shown.



RN 300699-77-8 CAPLUS

CN Benzene, 1-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-4-fluoro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

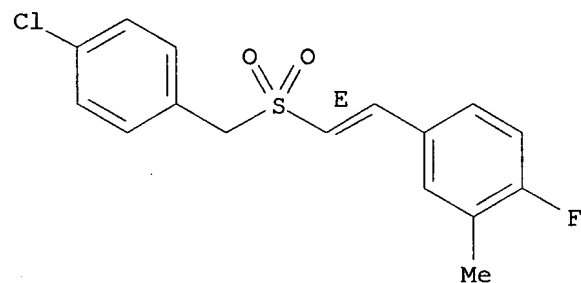
Double bond geometry as shown.



RN 300699-78-9 CAPLUS

CN Benzene, 4-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-1-fluoro-2-methyl- (9CI) (CA INDEX NAME)

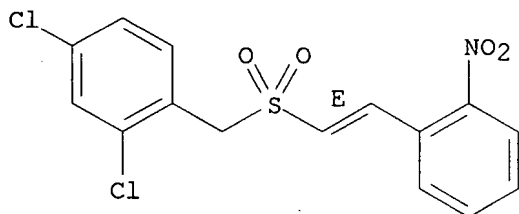
Double bond geometry as shown.



RN 300699-79-0 CAPLUS

CN Benzene, 2,4-dichloro-1-[[[(1E)-2-(2-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

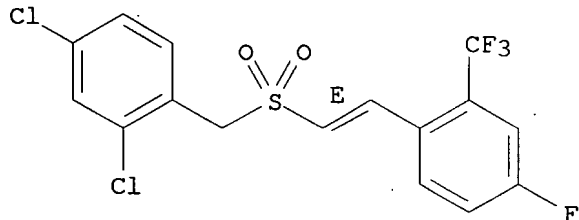
Double bond geometry as shown.



RN 300699-80-3 CAPLUS

CN Benzene, 2,4-dichloro-1-[[[(1E)-2-[4-fluoro-2-(trifluoromethyl)phenyl]ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

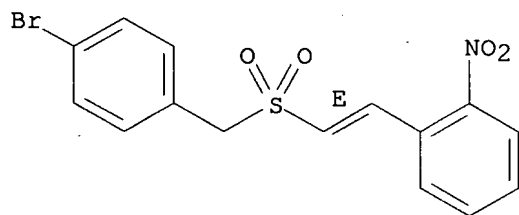
Double bond geometry as shown.



RN 300699-81-4 CAPLUS

CN Benzene, 1-[(1E)-2-[[[4-bromophenyl]methyl]sulfonyl]ethenyl]-2-nitro-
(9CI) (CA INDEX NAME)

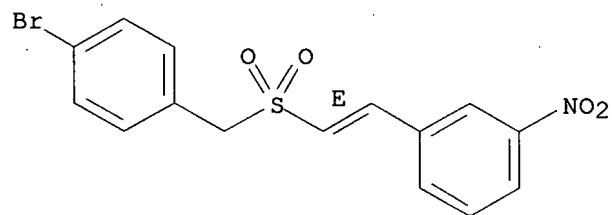
Double bond geometry as shown.



RN 300699-82-5 CAPLUS

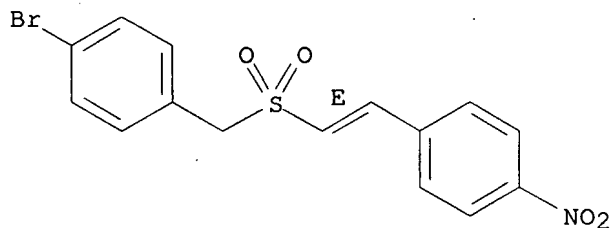
CN Benzene, 1-[(1E)-2-[[[4-bromophenyl]methyl]sulfonyl]ethenyl]-3-nitro-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



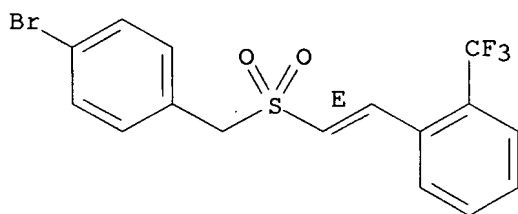
RN 300699-83-6 CAPLUS
CN Benzene, 1-bromo-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



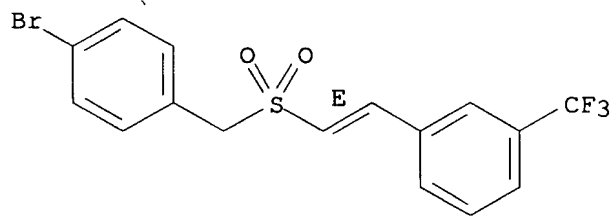
RN 300699-85-8 CAPLUS
CN Benzene, 1-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-2-
(trifluoromethyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



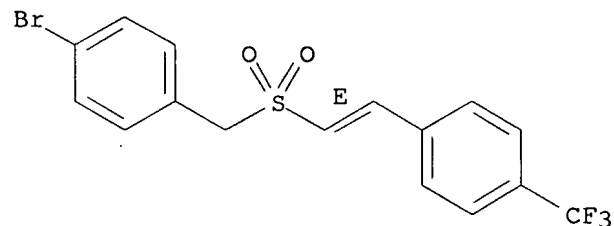
RN 300699-86-9 CAPLUS
CN Benzene, 1-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-3-
(trifluoromethyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 300699-87-0 CAPLUS
CN Benzene, 1-[(1E)-2-[[[4-bromophenyl)methyl]sulfonyl]ethenyl]-4-
(trifluoromethyl)- (9CI) (CA INDEX NAME)

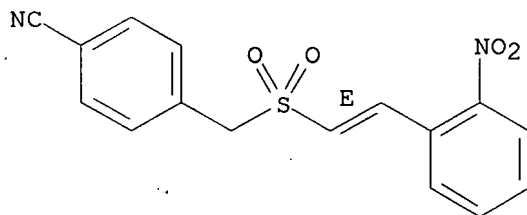
Double bond geometry as shown.



RN 300699-88-1 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(2-nitrophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

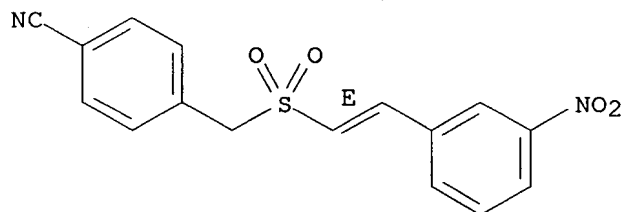
Double bond geometry as shown.



RN 300699-89-2 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(3-nitrophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

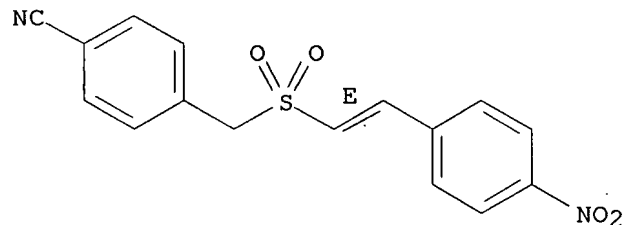
Double bond geometry as shown.



RN 300699-90-5 CAPLUS

CN Benzonitrile, 4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]- (9CI)
(CA INDEX NAME)

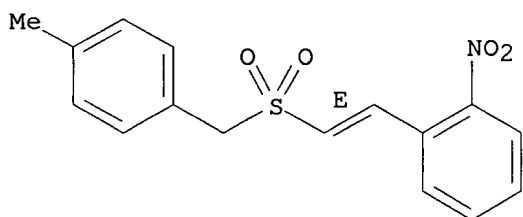
Double bond geometry as shown.



RN 300699-91-6 CAPLUS

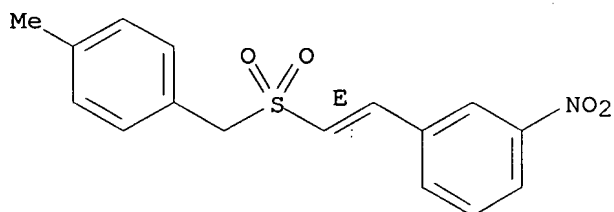
CN Benzene, 1-[(1E)-2-[[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-2-nitro- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



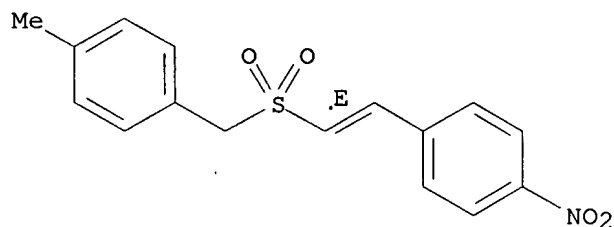
RN 300699-92-7 CAPLUS
 CN Benzene, 1-[(1E)-2-[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-3-nitro-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



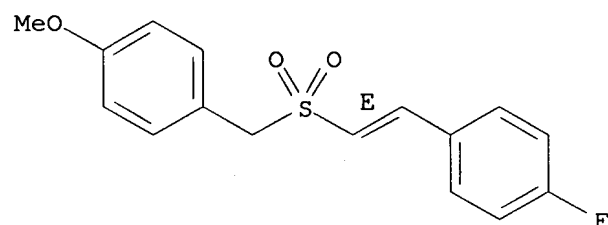
RN 300699-93-8 CAPLUS
 CN Benzene, 1-methyl-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



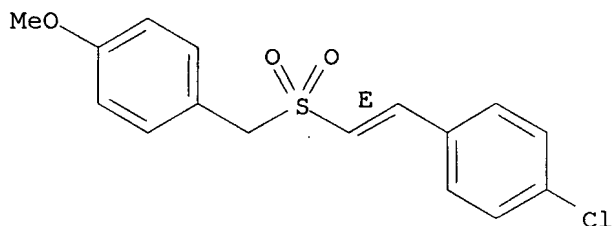
RN 300699-94-9 CAPLUS
 CN Benzene, 1-fluoro-4-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



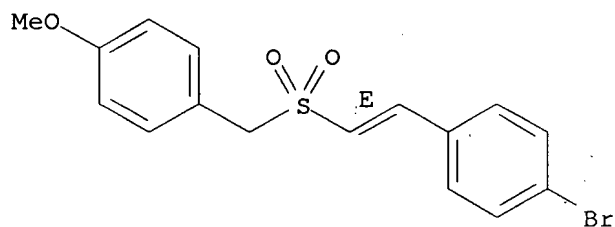
RN 300699-95-0 CAPLUS
 CN Benzene, 1-chloro-4-[(1E)-2-[[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



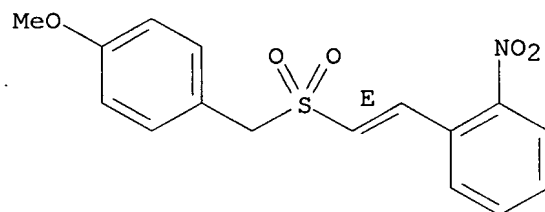
RN 300699-96-1 CAPLUS
CN Benzene, 1-bromo-4-[(1E)-2-[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



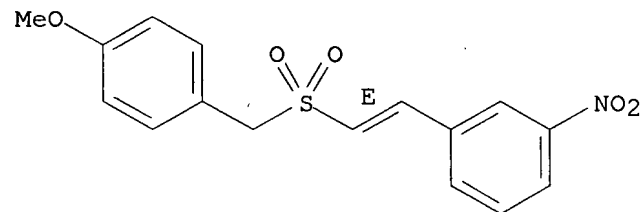
RN 300699-98-3 CAPLUS
CN Benzene, 1-[(1E)-2-[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-2-nitro-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



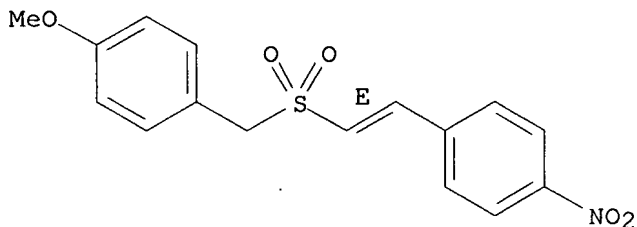
RN 300699-99-4 CAPLUS
CN Benzene, 1-[(1E)-2-[(4-methoxyphenyl)methyl]sulfonyl]ethenyl]-3-nitro-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 300700-00-9 CAPLUS
CN Benzene, 1-methoxy-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 41 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:725455 CAPLUS

DOCUMENT NUMBER: 133:296274

TITLE: Preparation of styryl sulfone anticancer agents

INVENTOR(S): Reddy, Premkumar E.; Reddy, Ramana M. V.

PATENT ASSIGNEE(S): Temple University- of the Commonwealth System of Higher Education, USA

SOURCE: PCT Int. Appl., 52 pp.

CODEN: PIXXD2

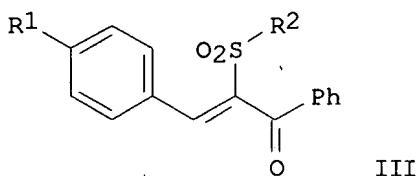
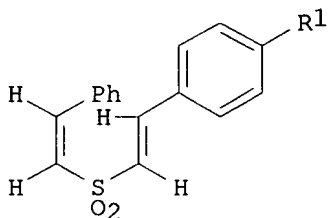
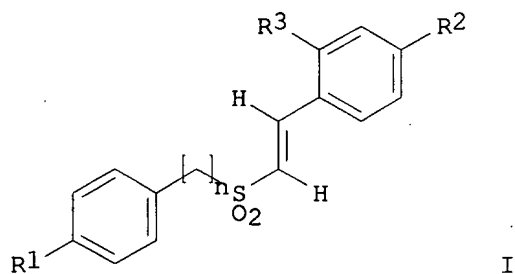
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000059494	A1	20001012	WO 1999-US7406	19990402
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 9933813	A1	20001023	AU 1999-33813	19990402
JP 2002541101	T	20021203	JP 2000-609058	19990402
PRIORITY APPLN. INFO.:			WO 1999-US7406	A 19990402
OTHER SOURCE(S):	MARPAT 133:296274			
GI				



AB The title compds. [I (wherein $n = 0-1$; $R_1 = H, Cl, F, Br$; $R_2 = H, Cl, F, Br, Me, OMe$; $R_3 = H, Cl, F$; provided, R_2 may not be Me or OMe when R_1 and R_3 are both H and $n = 0-1$; R_1-R_3 may not all be H when $n = 1$), II ($R_1 = H, Cl, F, Br$), III ($R_1 = F, Br$; $R_2 = 2-ClC_6H_4, 4-ClC_6H_4, 4-FC_6H_4, 2-O_2NC_6H_4$)] which selectively inhibit proliferation of tumor cells, and induce apoptosis of tumor cells, while sparing normal cells, were prepared. The general procedures for synthesis of compds. I-III were given. E.g., the compound (E)-I [$R_1-R_3 = F$; $n = 1$] was found to substantially inhibit and induce the death of LnCaP (androgen-dependent prostate cell line), BT-20 (estrogen-unresponsive breast tumor cell line) and MCF-7 (estrogen-responsive breast tumor cell line) at $2.5 \mu M$ and $5.0 \mu M$.

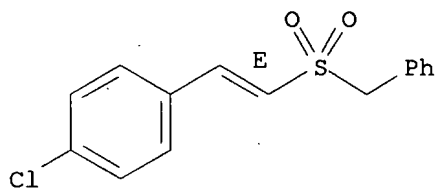
IT 93468-07-6P 118672-28-9P 118672-29-0P
136272-35-0P 222639-19-2P 222639-21-6P
222639-24-9P 222639-26-1P 222639-29-4P
222639-31-8P 222639-33-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of styryl sulfone anticancer agents)

RN 93468-07-6 CAPLUS

CN Benzene, 1-chloro-4-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

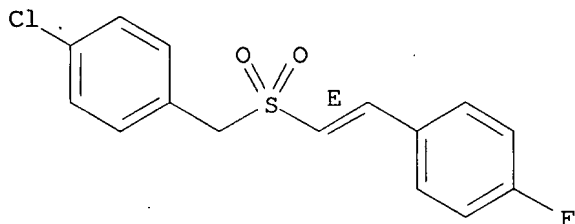
Double bond geometry as shown.



RN 118672-28-9 CAPLUS

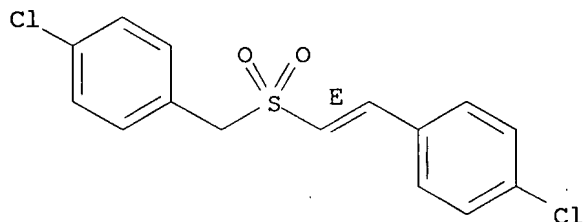
CN Benzene, 1-chloro-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



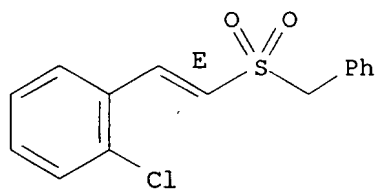
RN 118672-29-0 CAPLUS
CN Benzene, 1-chloro-4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



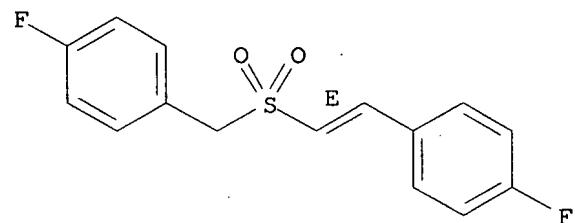
RN 136272-35-0 CAPLUS
CN Benzene, 1-chloro-2-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

Double bond geometry as shown.



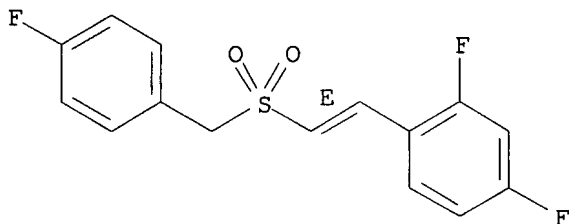
RN 222639-19-2 CAPLUS
CN Benzene, 1-fluoro-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(CA INDEX NAME)

Double bond geometry as shown.



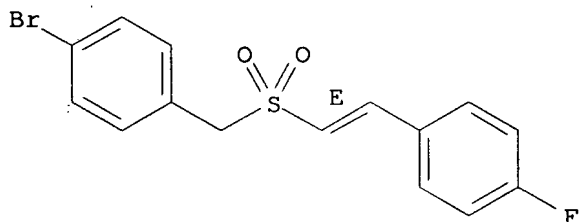
RN 222639-21-6 CAPLUS
CN Benzene, 2,4-difluoro-1-[(1E)-2-[[4-(4-fluorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



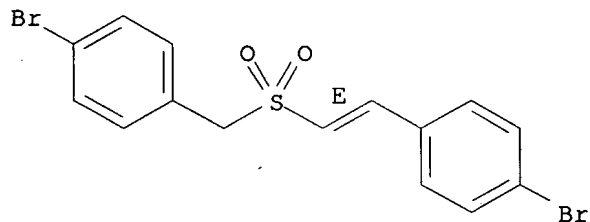
RN 222639-24-9 CAPLUS
CN Benzene, 1-bromo-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



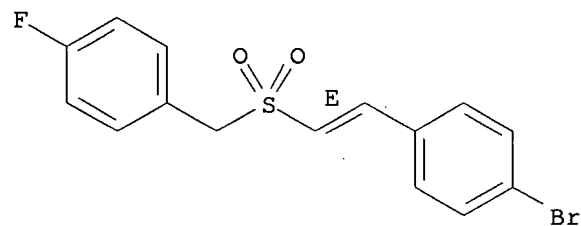
RN 222639-26-1 CAPLUS
CN Benzene, 1-bromo-4-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



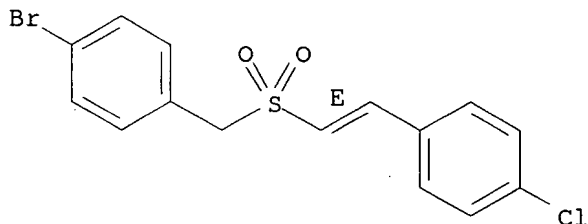
RN 222639-29-4 CAPLUS
CN Benzene, 1-bromo-4-[(1E)-2-[(4-fluorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 222639-31-8 CAPLUS
CN Benzene, 1-bromo-4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

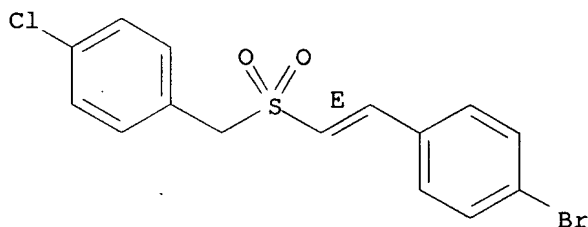
Double bond geometry as shown.



RN 222639-33-0 CAPLUS

CN Benzene, 1-bromo-4-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 42 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:706976 CAPLUS

DOCUMENT NUMBER: 133:266597

TITLE: Preparation of Z-styryl sulfone anticancer agents

INVENTOR(S): Reddy, E. Premkumar; Reddy, M. V. Ramana

PATENT ASSIGNEE(S): Temple University, USA

SOURCE: PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

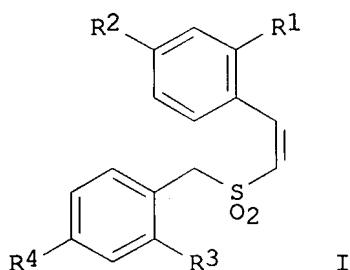
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000057872	A1	20001005	WO 2000-US8350	20000330
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 6201154	B1	20010313	US 1999-282855	19990331
CA 2368653	A1	20001005	CA 2000-2368653	20000330
EP 1180024	A1	20020220	EP 2000-919829	20000330
EP 1180024	B1	20040204		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2002540152	T	20021126	JP 2000-607623	20000330

AT 258790	T	20040215	AT 2000-919829	20000330
AU 771133	B2	20040311	AU 2000-40450	20000330
US 6414034	B1	20020702	US 2000-722450	20001122
US 6576675	B1	20030610	US 2001-937805	20010928
IN 2001DN00899	A	20070112	IN 2001-DN899	20011003
PRIORITY APPLN. INFO.:			US 1999-282855	A 19990331
			WO 2000-US8350	W 20000330
OTHER SOURCE(S):	MARPAT 133:266597			
GI				



AB The title compds. [I; R1 = H, Cl, NO2; R2 = H, alkyl, alkoxy, etc.; R3, R4 = H, alkyl, NO2, etc.; provided that at least one of R1 or R2 = H], useful as anticancer agents, were prepared Thus, reacting 4-chlorophenylacetylene with 4-fluorobenzylmercaptan in the presence of Na followed by oxidation of the resulting Z-4-chlorostyryl 4-fluorobenzylsulfide afforded Z-I [R1 = H; R2 = Cl; R3 = H; R4 = F] which showed kill rates of over 75% at 2.5 mM against breast, prostate, ovarian, lung, renal and glioma cell lines.

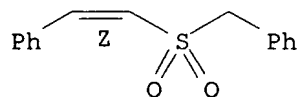
IT 32291-81-9P 136272-42-9P 158606-43-0P
 158606-44-1P 158606-45-2P 298197-01-0P
 298197-03-2P 298197-05-4P 298197-09-8P
 298197-11-2P 298197-13-4P 298197-14-5P
 298197-15-6P 298197-16-7P 298197-17-8P
 298197-18-9P 298197-19-0P 298197-20-3P
 298197-21-4P 298197-22-5P 298197-23-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of Z-styryl sulfone anticancer agents)

RN 32291-81-9 CAPLUS

CN Benzene, [[(1Z)-2-phenylethenyl]sulfonylmethyl]- (9CI) (CA INDEX NAME)

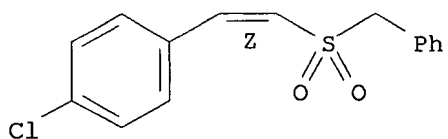
Double bond geometry as shown.



RN 136272-42-9 CAPLUS

CN Benzene, 1-chloro-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

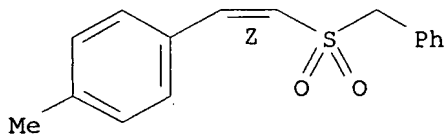
Double bond geometry as shown.



RN 158606-43-0 CAPLUS

CN Benzene, 1-methyl-4-[[[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

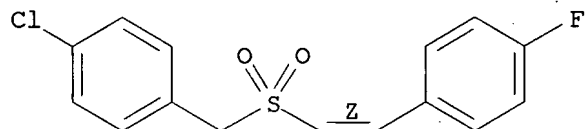
Double bond geometry as shown.



RN 158606-44-1 CAPLUS

CN Benzene, 1-chloro-4-[[[(1Z)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

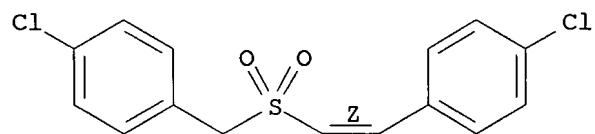
Double bond geometry as shown.



RN 158606-45-2 CAPLUS

CN Benzene, 1-chloro-4-[[[(1Z)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

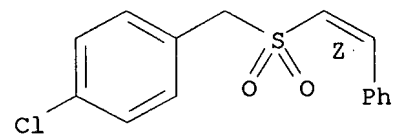
Double bond geometry as shown.



RN 298197-01-0 CAPLUS

CN Benzene, 1-chloro-4-[[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

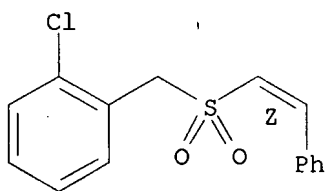
Double bond geometry as shown.



RN 298197-03-2 CAPLUS

CN Benzene, 1-chloro-2-[[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

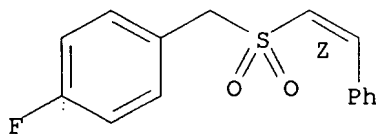
Double bond geometry as shown.



RN 298197-05-4 CAPLUS

CN Benzene, 1-fluoro-4-[[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

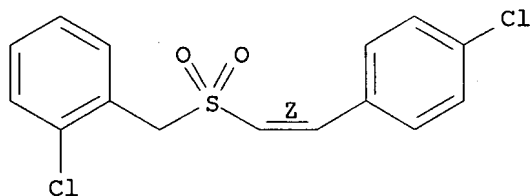
Double bond geometry as shown.



RN 298197-09-8 CAPLUS

CN Benzene, 1-chloro-2-[[[(1Z)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

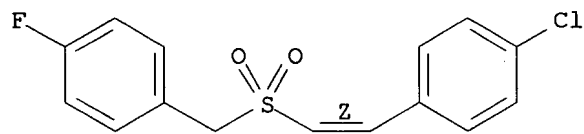
Double bond geometry as shown.



RN 298197-11-2 CAPLUS

CN Benzene, 1-chloro-4-[(1Z)-2-[(4-fluorophenyl)methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

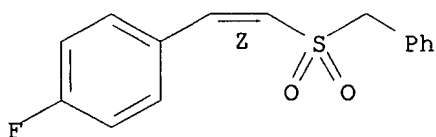
Double bond geometry as shown.



RN 298197-13-4 CAPLUS

CN Benzene, 1-fluoro-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

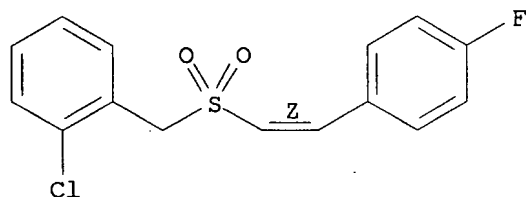
Double bond geometry as shown.



RN 298197-14-5 CAPLUS

CN Benzene, 1-chloro-2-[[[(1Z)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

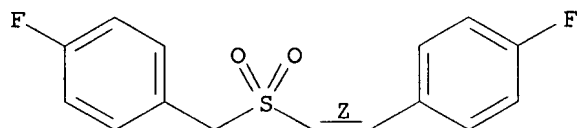
Double bond geometry as shown.



RN 298197-15-6 CAPLUS

CN Benzene, 1-fluoro-4-[[[(1Z)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

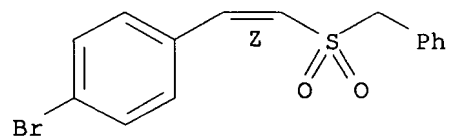
Double bond geometry as shown.



RN 298197-16-7 CAPLUS

CN Benzene, 1-bromo-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

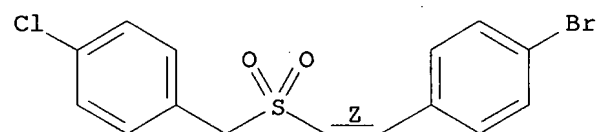
Double bond geometry as shown.



RN 298197-17-8 CAPLUS

CN Benzene, 1-bromo-4-[(1Z)-2-[(4-chlorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

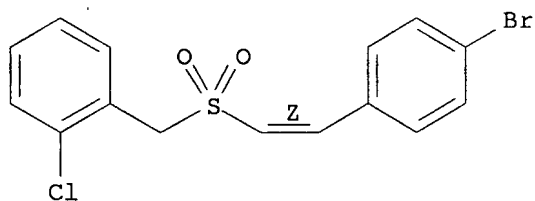
Double bond geometry as shown.



RN 298197-18-9 CAPLUS

CN Benzene, 1-[[[(1Z)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-2-chloro-
(9CI) (CA INDEX NAME)

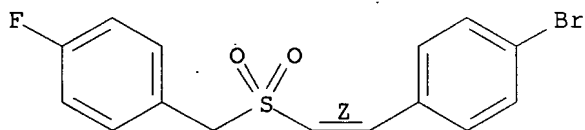
Double bond geometry as shown.



RN 298197-19-0 CAPLUS

CN Benzene, 1-bromo-4-[(1Z)-2-[[4-(4-fluorophenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

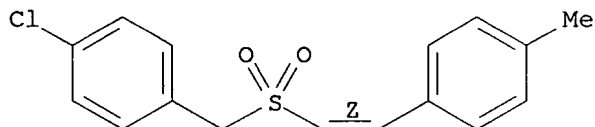
Double bond geometry as shown.



RN 298197-20-3 CAPLUS

CN Benzene, 1-chloro-4-[[[(1Z)-2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

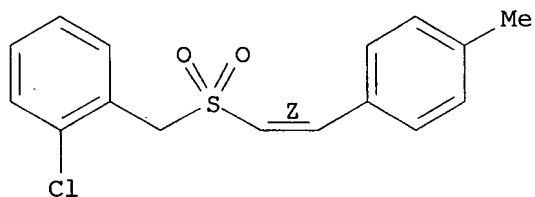
Double bond geometry as shown.



RN 298197-21-4 CAPLUS

CN Benzene, 1-chloro-2-[[[(1Z)-2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

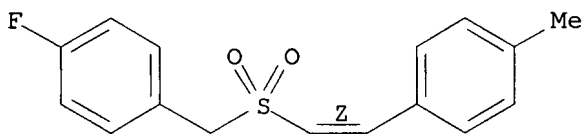
Double bond geometry as shown.



RN 298197-22-5 CAPLUS

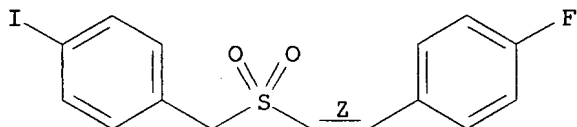
CN Benzene, 1-fluoro-4-[[[(1Z)-2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 298197-23-6 CAPLUS
 CN Benzene, 1-fluoro-4-[(1Z)-2-[[4-iodophenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 43 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:414144 CAPLUS

DOCUMENT NUMBER: 133:192741

TITLE: The reaction of thiirane S-oxides with methyllithium lithium bromide complex. A surprising preference for deprotonation over desulfurization

AUTHOR(S): Schwan, Adrian L.; Lear, Yvonne

CORPORATE SOURCE: Guelph-Waterloo Centre for Graduate Work in Chemistry and Biochemistry, Department of Chemistry and Biochemistry, University of Guelph, Guelph, ON, N1G 2W1, Can.

SOURCE: Sulfur Letters (2000), 23(3), 111-119

CODEN: SULED2; ISSN: 0278-6117

PUBLISHER: Harwood Academic Publishers

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Selected organolithium reagents demonstrate a surprising preference for deprotonation of thiirane S-oxides over other modes of attack including desulfurization. The MeLi·LiBr complex in particular was shown to generate (E)-1-alkenesulfenate anions in 50-75% yield via an initial deprotonation reaction of alkyl substituted thiirane S-oxides. These results are comparable to the established deprotonation reaction using disilazide bases, but lead to cleaner reaction mixts.

IT 160426-22-2P, [(E)-(2-Phenylethenyl)sulfinyl)methyl]benzene

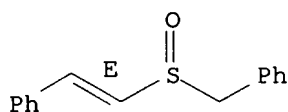
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of [(alkenylsulfinyl)methyl]benzene derivs. by deprotonation of thiirane oxides with methyllithium-lithium bromide complex)

RN 160426-22-2 CAPLUS

CN Benzene, [[[(1E)-2-phenylethenyl]sulfinyl)methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS

L3 ANSWER 44 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1999:244629 CAPLUS
 DOCUMENT NUMBER: 130:281870
 TITLE: Preparation of styryl sulfone anticancer agents
 INVENTOR(S): Reddy, Premkumar E.; Reddy, Ramana M. V.
 PATENT ASSIGNEE(S): Temple University - of the Commonwealth System of
 Higher Education, USA
 SOURCE: PCT Int. Appl., 53 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9918068	A1	19990415	WO 1998-US20580	19981001
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2305790	A1	19990415	CA 1998-2305790	19981001
AU 9895954	A	19990427	AU 1998-95954	19981001
AU 741042	B2	20011122		
EP 1027330	A1	20000816	EP 1998-949680	19981001
EP 1027330	B1	20041208		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
BR 9814059	A	20000926	BR 1998-14059	19981001
JP 2001519326	T	20011023	JP 2000-514880	19981001
NZ 503479	A	20020828	NZ 1998-503479	19981001
RU 2201919	C2	20030410	RU 2000-111513	19981001
AT 284386	T	20041215	AT 1998-949680	19981001
IL 135438	A	20051218	IL 1998-135438	19981001
IN 1999MA00360	A	20050304	IN 1999-MA360	19990330
US 6359013	B1	20020319	US 2000-509227	20000324
HK 1031373	A1	20050708	HK 2001-100906	20010208
US 2002022666	A1	20020221	US 2001-919061	20010731
US 6548553	B2	20030415		
US 2003114538	A1	20030619	US 2002-255218	20020926
PRIORITY APPLN. INFO.:			US 1997-60933P	P 19971003
			WO 1998-US20580	W 19981001
			US 2000-509227	A2 20000324
			US 2001-919061	A3 20010731
OTHER SOURCE(S):	MARPAT 130:281870			
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. [I (wherein R1 = H, Cl, F, Br; R2 = H, Cl, F, Br, Me, MeO; R3 = H, Cl, F; provided that R2 may not be Me or MeO when R1 and R3 are both H and n is 0 or 1; and R1-R3 may not all be H when n = 1), II (wherein R1 = H, Cl, F, Br), III (wherein R1 = F, Br; R2 = 2-ClC6H4, 4-ClC6H4, 4-FC6H4, 4-NO2C6H4)] which selectively inhibit proliferation of breast and prostate tumor cells, and induce apoptosis of such tumor cells,

while sparing normal cells, were prepared Thus, reaction of phenylsulfonylacetic acid with benzaldehyde afforded 68-72% (E)-I [R1-R3 = H; n = 0] which showed 89% viable LnCaP and MCF-7 cells at 5.0 μ M.

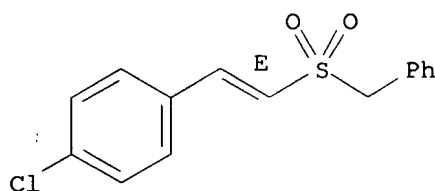
IT 93468-07-6P 118672-28-9P 118672-29-0P
136272-35-0P 222639-19-2P 222639-21-6P
222639-24-9P 222639-26-1P 222639-29-4P
222639-31-8P 222639-33-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of styryl sulfone anticancer agents)

RN 93468-07-6 CAPLUS

CN Benzene, 1-chloro-4-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

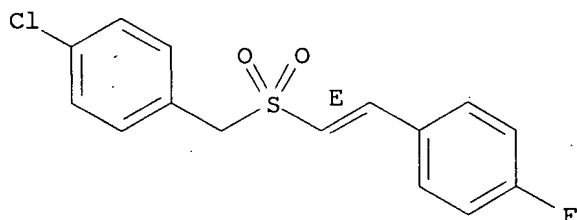
Double bond geometry as shown.



RN 118672-28-9 CAPLUS

CN Benzene, 1-chloro-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

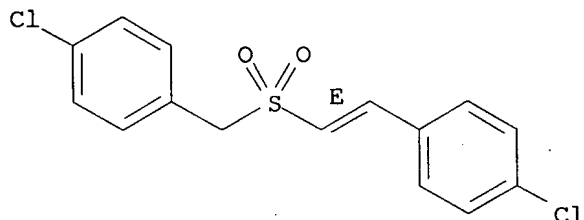
Double bond geometry as shown.



RN 118672-29-0 CAPLUS

CN Benzene, 1-chloro-4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

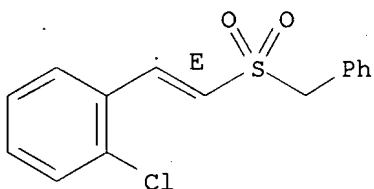
Double bond geometry as shown.



RN 136272-35-0 CAPLUS

CN Benzene, 1-chloro-2-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

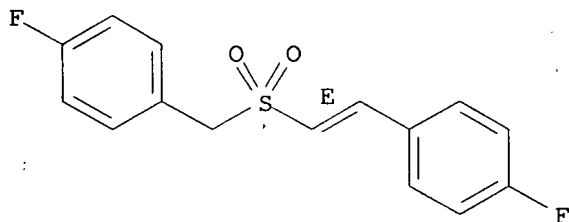
Double bond geometry as shown.



RN 222639-19-2 CAPLUS

CN Benzene, 1-fluoro-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(CA INDEX NAME)

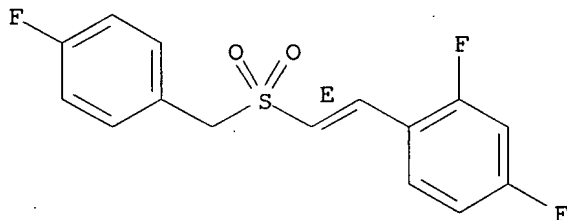
Double bond geometry as shown.



RN 222639-21-6 CAPLUS

CN Benzene, 2,4-difluoro-1-[(1E)-2-[[[4-fluorophenyl]methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

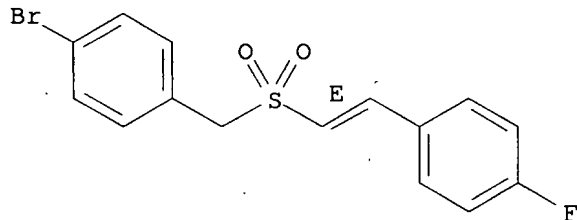
Double bond geometry as shown.



RN 222639-24-9 CAPLUS

CN Benzene, 1-bromo-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

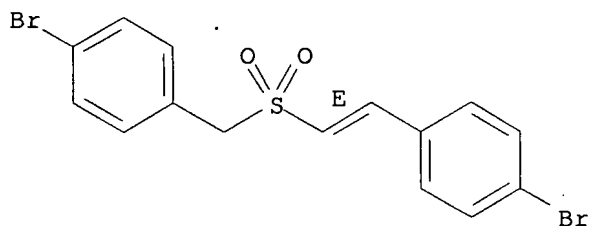
Double bond geometry as shown.



RN 222639-26-1 CAPLUS

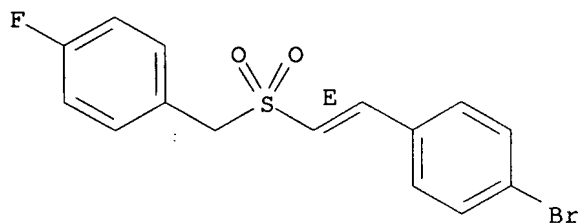
CN Benzene, 1-bromo-4-[[[(1E)-2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



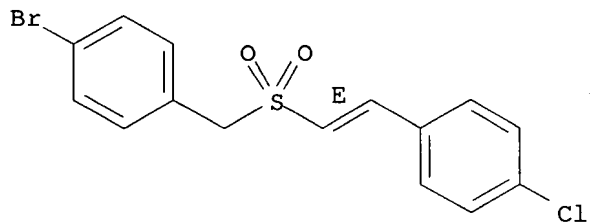
RN 222639-29-4 CAPLUS
 CN Benzene, 1-bromo-4-[(1E)-2-[[4-fluorophenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



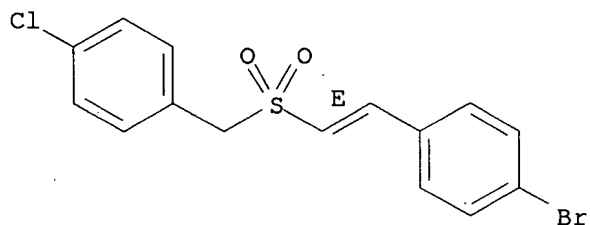
RN 222639-31-8 CAPLUS
 CN Benzene, 1-bromo-4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 222639-33-0 CAPLUS
 CN Benzene, 1-bromo-4-[(1E)-2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 1998:651752 CAPLUS
 DOCUMENT NUMBER: 130:13631
 TITLE: 1-Alkenesulfinyl Chlorides: Synthesis,
 Characterization, and Some Substitution Reactions
 AUTHOR(S): Schwan, Adrian L.; Strickler, Rick R.; Lear, Yvonne;
 Kalin, Mark L.; Rietveld, Tanya E.; Xiang, Ting-Jian;
 Brillon, Denis
 CORPORATE SOURCE: Guelph-Waterloo Centre for Graduate Work in Chemistry
 and Biochemistry Department of Chemistry and
 Biochemistry, University of Guelph, Guelph, ON, N1G
 2W1, Can.
 SOURCE: Journal of Organic Chemistry (1998), 63(22), 7825-7832
 CODEN: JOCEAH; ISSN: 0022-3263
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 130:13631

AB A number of 1-alkenyl sulfoxides bearing either a diphenylmethyl (DPM) or a
 p-methoxybenzyl (PMB) group have been prepared and exposed to the chlorine
 surrogate SO₂Cl₂. Through an oxidative fragmentation reactions, a new
 family of sulfur acid derivs., 1-alkenesulfinyl chlorides, is generated.
 They can be characterized by IR spectroscopy before chemical capture with an
 alc. Ethenesulfinyl chloride and 1-propenesulfinyl chloride, obtained
 from their corresponding DPM precursor, can be distilled at reduced pressure
 to afford ca. 90% pure material. NMR chemical shift comparison of various
 1-alkenesulfinyl-containing compds. is made. 1-Alkenesulfinylmethyl
 phenyl(alkyl) ketones can be prepared directly from 1-alkenesulfinyl
 chlorides although decomposition and/or isomerization is sometimes extensive
 during purification

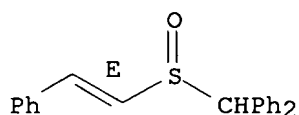
IT 216007-66-8P 216007-67-9P 216007-71-5P
 216007-73-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation and reactions of alkenesulfinyl chlorides)

RN 216007-66-8 CAPLUS

CN Benzene, 1,1'-[[[(1E)-2-phenylethenyl]sulfinyl]methylene]bis- (9CI) (CA
 INDEX NAME)

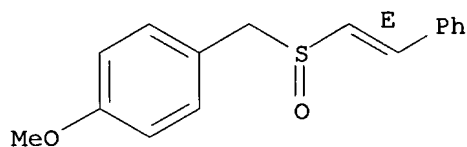
Double bond geometry as shown.



RN 216007-67-9 CAPLUS

CN Benzene, 1-methoxy-4-[[[(1E)-2-phenylethenyl]sulfinyl]methyl]- (9CI) (CA
 INDEX NAME)

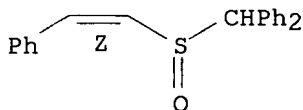
Double bond geometry as shown.



RN 216007-71-5 CAPLUS

CN Benzene, 1,1'-[[[(1Z)-2-phenylethenyl]sulfinyl]methylene]bis- (9CI) (CA
 INDEX NAME)

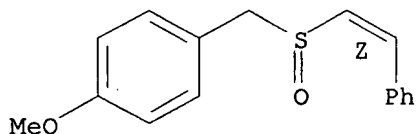
Double bond geometry as shown.



RN 216007-73-7 CAPLUS

CN Benzene, 1-methoxy-4-[[[(1Z)-2-phenylethenyl]sulfinyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 46 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:717923 CAPLUS

DOCUMENT NUMBER: 128:3692

TITLE: Fused imidazopyridine derivatives as antihyperlipidemic agents

INVENTOR(S): Takatani, Muneo; Shibouta, Yumiko; Sugiyama, Yasuo; Kawamoto, Tetsuji

PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan

SOURCE: PCT Int. Appl., 457 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

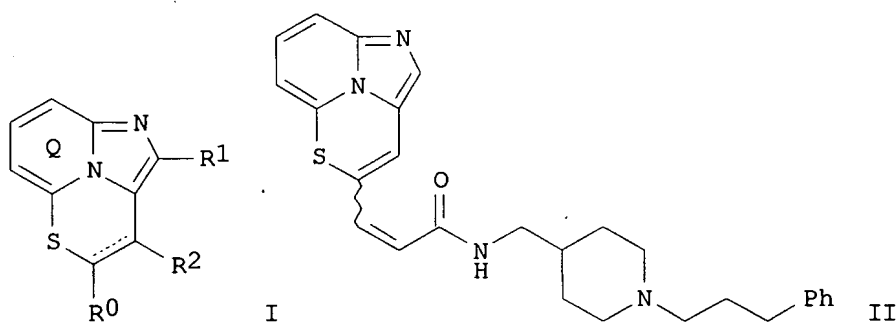
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9740051	A1	19971030	WO 1997-JP1395	19970423
W:	AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
CA 2251625	A1	19971030	CA 1997-2251625	19970423
AU 9724048	A	19971112	AU 1997-24048	19970423
JP 10226689	A	19980825	JP 1997-105625	19970423
ZA 9703493	A	19981023	ZA 1997-3493	19970423
EP 915888	A1	19990519	EP 1997-919649	19970423
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
CN 1223659	A	19990721	CN 1997-193938	19970423
US 6235731	B1	20010522	US 1998-155889	19981008
PRIORITY APPLN. INFO.:			JP 1996-102303	A 19960424
			JP 1996-330801	A 19961211
			WO 1997-JP1395	W 19970423

OTHER SOURCE(S): MARPAT 128:3692

GI



AB Novel compds. I [wherein ring Q is optionally substituted; one of R0, R1, and R2 = -Y0-Z0, and the others = H, halo, (un)substituted OH, (un)substituted hydrocarbyl, or acyl; Y0 = bond, (un)substituted bivalent hydrocarbon group; Z0 = basic group which may be bonded via O, N, CO, CS, SO2N(R3) (where R3 = H or (un)substituted hydrocarbyl), or S(O)n (where n = 0, 1, or 2); dotted line = optional pi bond] and salts thereof are disclosed. The compds. have excellent LDL receptor up-regulating, blood lipid-lowering, blood sugar-lowering, and diabetic complication-ameliorating activities. Examples include 178 synthetic examples, 79 reference examples, and biol. data for approx. 20 selected compds. For instance, Et 5-thia-1,8b-diazaacenaphthylene-4-carboxylate underwent a sequence of DIBAL reduction to an alc. (87%), oxidation to an aldehyde and Wittig-based homologation to an acrylic acid derivative (84%), amidation with 1-Boc-piperidin-4-ylmethylamine and deprotection (92%), N-alkylation with Ph(CH2)3Br (55%), and salification with methanolic HCl, to give the title compound II.2HCl. In hamsters, II.2HCl reduced non-HDL cholesterol to 62.3% of control, and triglycerides to 67.0% of control.

IT 198896-82-1P

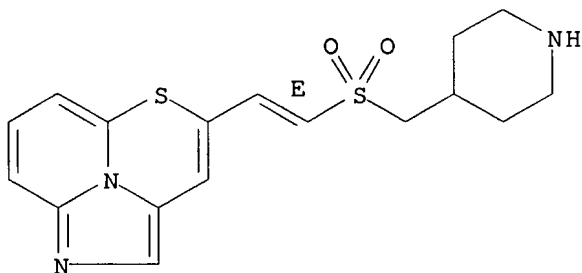
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of fused imidazopyridine derivs. as antihyperlipidemic agents)

RN 198896-82-1 CAPLUS

CN 5-Thia-1,8b-diazaacenaphthylene, 4-[2-[(4-piperidinylmethyl)sulfonyl]ethenyl]-, dihydrochloride, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



● 2 HCl

IT 198892-49-8P 198894-77-8P

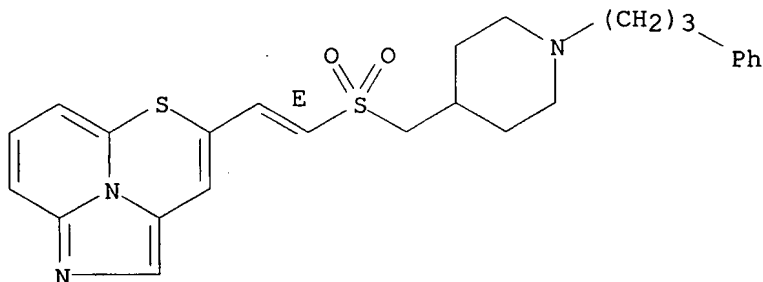
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of fused imidazopyridine derivs. as antihyperlipidemic agents)

RN 198892-49-8 CAPLUS

CN 5-Thia-1,8b-diazaacenaphthylene, 4-[2-[[[1-(3-phenylpropyl)-4-piperidinyl]methyl]sulfonyl]ethenyl]-, dihydrochloride, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

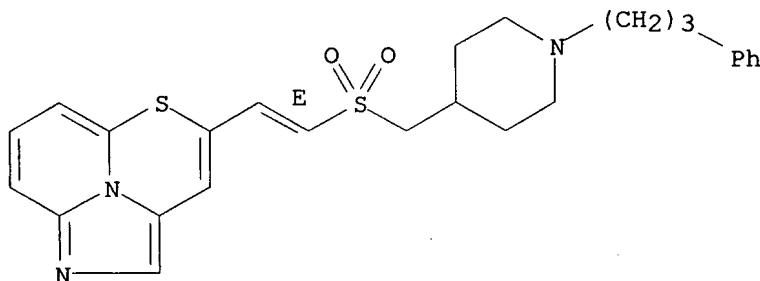


● 2 HCl

RN 198894-77-8 CAPLUS

CN 5-Thia-1,8b-diazaacenaphthylene, 4-[2-[[[1-(3-phenylpropyl)-4-piperidinyl]methyl]sulfonyl]ethenyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 47 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:711553 CAPLUS

DOCUMENT NUMBER: 128:48012

TITLE: Some reactions of the (chloromethyl)-trans- β -styrylsulfone carbanion

AUTHOR(S): Makosza, Mieczyslaw; Krylova, Irina

CORPORATE SOURCE: Institute Organic Chemistry, Polish Academy Science, Warsaw, 01224, Pol.

SOURCE: Liebigs Annalen/Recueil (1997), (11), 2337-2340

CODEN: LIARFV

PUBLISHER: Wiley-VCH

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 128:48012

AB (E)-PhCH:CHSO₂C-HCl reacts with PhCHO and CH₂:CHCN under phase-transfer catalysis conditions to give 2-phenyl-3-(trans- β -styrylsulfonyl)oxirane and [1-chloro-3-cyano-1-(cyanoethyl)propyl](trans-

β -styryl)sulfone, resp., and with nitroarenes to form the products of vicarious nucleophilic substitution of hydrogen.

IT 199864-27-2P 199864-29-4P 199864-31-8P

199864-33-0P 199864-35-2P 199864-37-4P

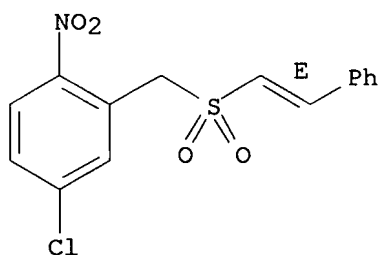
RL: SPN (Synthetic preparation); PREP (Preparation)

(reactions of (chloromethyl)styrylsulfone carbanion)

RN 199864-27-2 CAPLUS

CN Benzene, 4-chloro-1-nitro-2-[[(2-phenylethenyl)sulfonyl]methyl]-, (E)-
(9CI) (CA INDEX NAME)

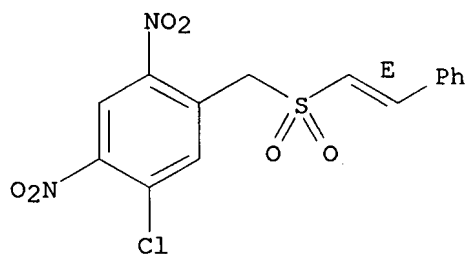
Double bond geometry as shown.



RN 199864-29-4 CAPLUS

CN Benzene, 1-chloro-2,4-dinitro-5-[[(2-phenylethenyl)sulfonyl]methyl]-, (E)-
(9CI) (CA INDEX NAME)

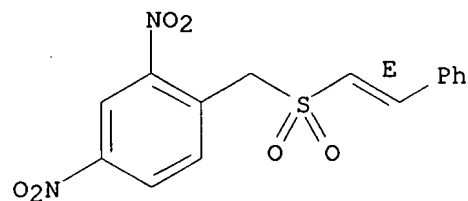
Double bond geometry as shown.



RN 199864-31-8 CAPLUS

CN Benzene, 2,4-dinitro-1-[[(2-phenylethenyl)sulfonyl]methyl]-, (E)- (9CI)
(CA INDEX NAME)

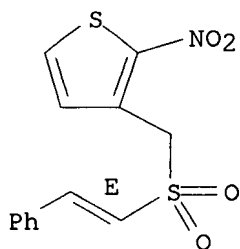
Double bond geometry as shown.



RN 199864-33-0 CAPLUS

CN Thiophene, 2-nitro-3-[[(2-phenylethenyl)sulfonyl]methyl]-, (E)- (9CI) (CA
INDEX NAME)

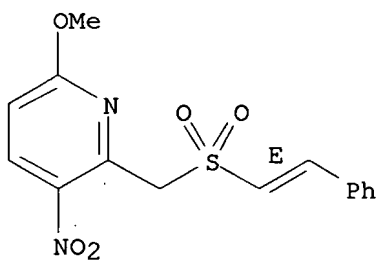
Double bond geometry as shown.



RN 199864-35-2 CAPLUS

CN Pyridine, 6-methoxy-3-nitro-2-[[(2-phenylethenyl)sulfonyl]methyl]-, (E)-
(9CI) (CA INDEX NAME)

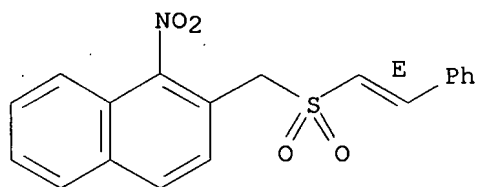
Double bond geometry as shown.



RN 199864-37-4 CAPLUS

CN Naphthalene, 1-nitro-2-[[(2-phenylethenyl)sulfonyl]methyl]-, (E)- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 48 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:304567 CAPLUS

DOCUMENT NUMBER: 127:33922

TITLE: The epoxy-Ramberg-Baecklund reaction: a new route to allylic alcohols

AUTHOR(S): Evans, Paul; Taylor, Richard J.

CORPORATE SOURCE: Dep. Chem., Univ. York, Heslington/York, YO1 5DD, UK

SOURCE: Tetrahedron Letters (1997), 38(17), 3055-3058

CODEN: TELEAY; ISSN: 0040-4039

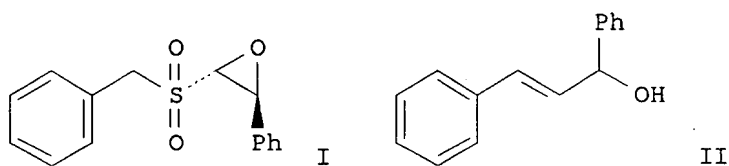
PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 127:33922

GI



AB A new variant of the Ramberg-Baecklund reaction is described, the epoxy-Ramberg-Baecklund reaction (ERBR), in which α,β -epoxy sulfones, on treatment with base, are converted into a range of mono-, di- and tri-substituted allylic alcs. The scope and limitations of the ERBR are discussed. For example, the epoxy-Ramberg-Baecklund reaction of trans-2-phenyl-3-[(phenylmethyl)sulfonyl]oxirane (I) with LiHMDS gave a mixture of (E)- α -(2-phenylethenyl)benzenemethanol (II) and (Z)- α -(2-phenylethenyl)benzenemethanol [82:18 (E)/(Z) ratio] in 68% overall yield.

IT 32093-01-9P

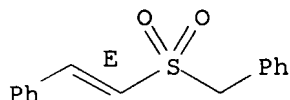
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of allylic alcs. via epoxy-Ramberg-Baecklund reaction)

RN 32093-01-9 CAPLUS

CN Benzene, [[[(1E)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 49 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1996:213412 CAPLUS

DOCUMENT NUMBER: 124:342597

TITLE: Oxidative fragmentations of selected 1-alkenyl sulfoxides. Chemical and spectroscopic evidence for 1-alkenesulfinyl chlorides

AUTHOR(S): Schwan, Adrian L.; Kalin, Mark L.; Vajda, Kristin E.; Xiang, Ting-Jian; Brillon, Denis

CORPORATE SOURCE: Guelph-Waterloo Cent. Grad. Work Chem., Univ. Guelph, Guelph, ON, N1G 2W1, Can.

SOURCE: Tetrahedron Letters (1996), 37(14), 2345-8
CODEN: TELEAY; ISSN: 0040-4039

PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 124:342597

AB A collection of 1-alkenyl sulfoxides possessing diphenylmethyl, p-methoxybenzyl or 2-(trimethylsilyl)ethyl groups, e.g., $\text{RCH}_2\text{CCl}:\text{C}(\text{CH}_2\text{R})\text{S}(\text{O})(\text{CH}_2)_2\text{SiMe}_3$ (R = Me, OAc), can be converted to 1-alkenesulfinyl chlorides using SO_2Cl_2 . The 1-alkenesulfinyl chlorides were spectroscopically characterized by IR and were chemical captured as their cyclohexyl or 3-phenylpropyl 1-alkenesulfinate esters.

IT 176907-88-3 176907-94-1

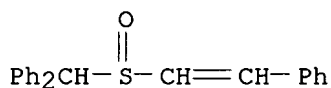
RL: RCT (Reactant); RACT (Reactant or reagent)

(substitution of alkenyl sulfoxides via sulfinyl chlorides)

RN 176907-88-3 CAPLUS

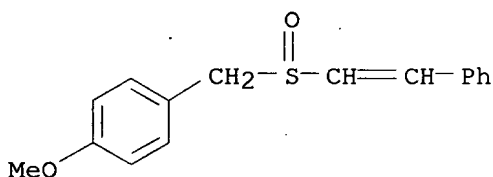
CN Benzene, 1,1'-[[[(2-phenylethenyl)sulfinyl]methylene]bis- (9CI) (CA INDEX

NAME)



RN 176907-94-1 CAPLUS

CN Benzene, 1-methoxy-4-[[(2-phenylethenyl)sulfinyl]methyl]- (9CI) (CA INDEX NAME)



L3 ANSWER 50 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:673414 CAPLUS

DOCUMENT NUMBER: 123:313471

TITLE: Synthesis of some 1,2-bis(styrylsulfonylmethyl)benzenes

AUTHOR(S): Reddy, D. Bhaskar; Subba Reddy, N.; Reddy, S.

CORPORATE SOURCE: Dep. Chem., S. V. Univ., Tirupati, 517 502, India

SOURCE: Journal of the Indian Chemical Society (1995), 72(2), 133-5

CODEN: JICSAH; ISSN: 0019-4522

PUBLISHER: Indian Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 123:313471

AB The title compds., i.e., 1,2-bis[[(2-phenylethenyl)sulfonyl]methyl]benzenes [i.e., 1,2-bis(styrylsulfonylmethyl)benzenes] were prepared starting from 1,2-dimethylbenzene via 2,2'-[1,2-phenylenebis(methylenethio)]bis[acetic acid] as intermediate.

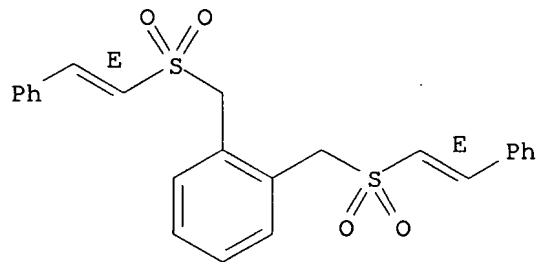
IT 169891-29-6P 169891-30-9P 169891-31-0P
169891-32-1P 169891-33-2P 169891-34-3P
169891-35-4P 169891-36-5P 169891-37-6P
169891-38-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of 1,2-bis[[(2-phenylethenyl)sulfonyl]methyl]benzenes)

RN 169891-29-6 CAPLUS

CN Benzene, 1,2-bis[[(2-phenylethenyl)sulfonyl]methyl]-, (E,E)- (9CI) (CA INDEX NAME)

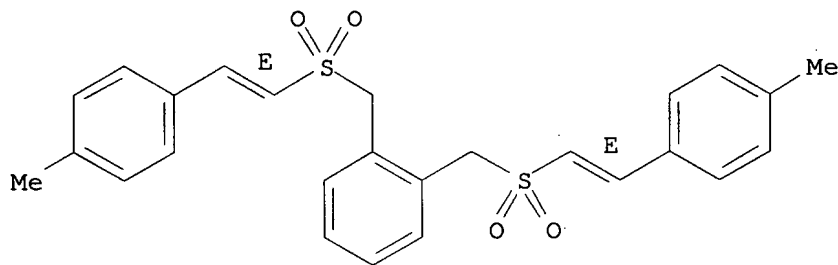
Double bond geometry as shown.



RN 169891-30-9 CAPLUS

CN Benzene, 1,2-bis[[[2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

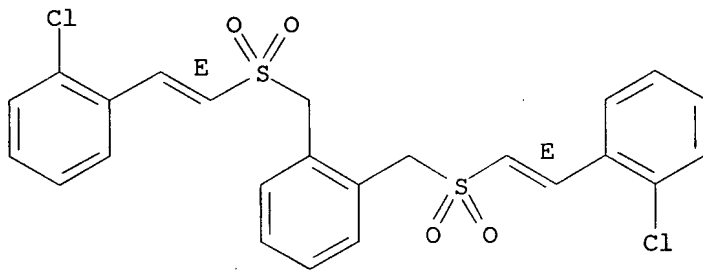
Double bond geometry as shown.



RN 169891-31-0 CAPLUS

CN Benzene, 1,2-bis[[[2-(2-chlorophenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

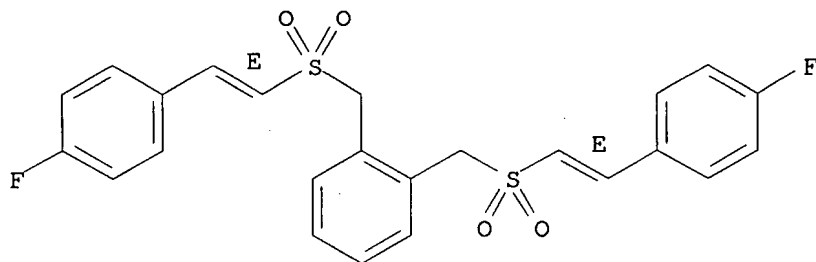
Double bond geometry as shown.



RN 169891-32-1 CAPLUS

CN Benzene, 1,2-bis[[[2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

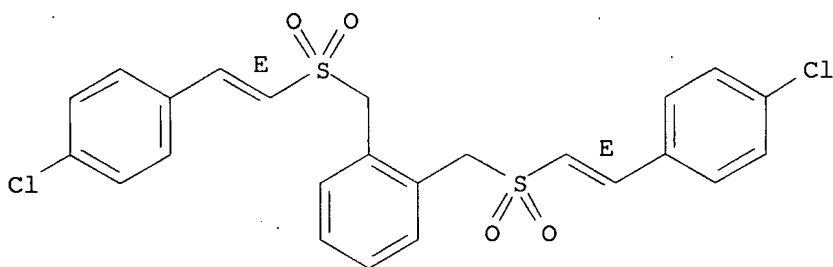
Double bond geometry as shown.



RN 169891-33-2 CAPLUS

CN Benzene, 1,2-bis[[[2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

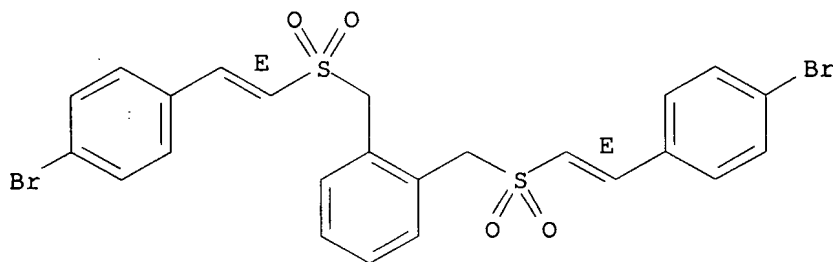
Double bond geometry as shown.



RN 169891-34-3 CAPLUS

CN Benzene, 1,2-bis[[[2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

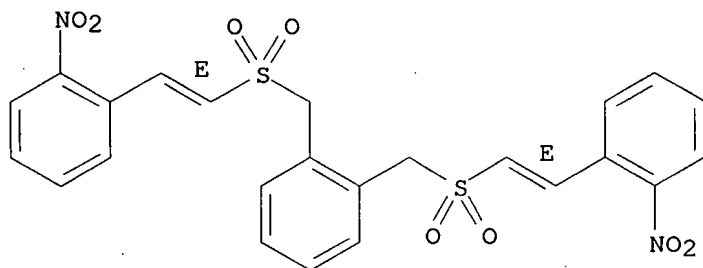
Double bond geometry as shown.



RN 169891-35-4 CAPLUS

CN Benzene, 1,2-bis[[[2-(2-nitrophenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

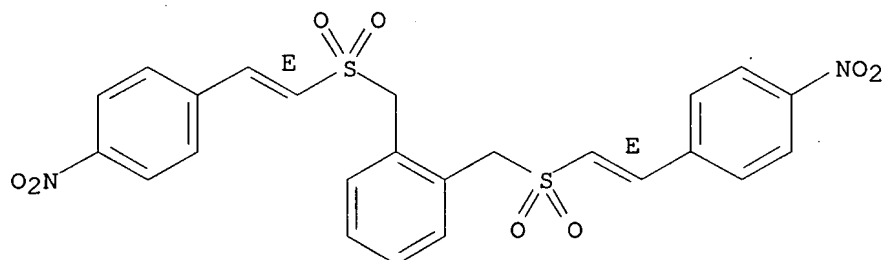
Double bond geometry as shown.



RN 169891-36-5 CAPLUS

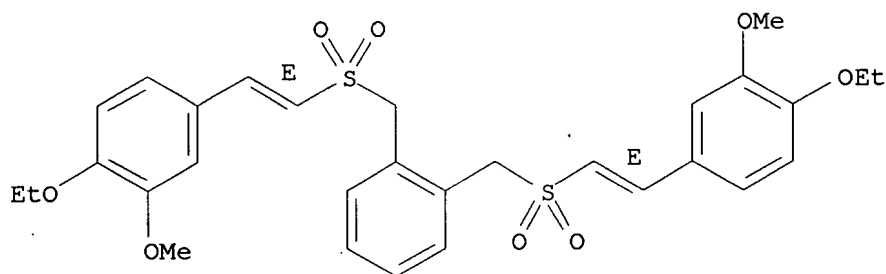
CN Benzene, 1,2-bis[[[2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



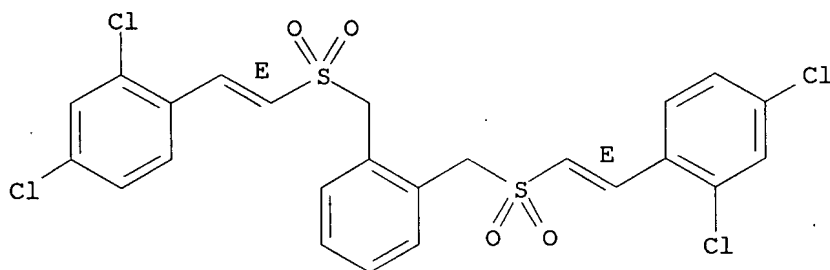
RN 169891-37-6 CAPLUS
CN Benzene, 1,2-bis[[[2-(4-ethoxy-3-methoxyphenyl)ethenyl]sulfonyl]methyl]-, (E,E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

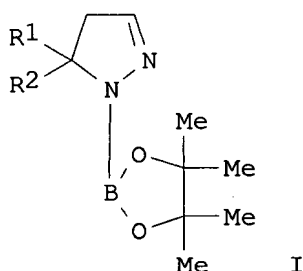


RN 169891-38-7 CAPLUS
CN Benzene, 1,2-bis[[[2-(2,4-dichlorophenyl)ethenyl]sulfonyl]methyl]-, (E,E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 51 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:504330 CAPLUS
DOCUMENT NUMBER: 123:83260
TITLE: 1,3-Dipolar cycloaddition of diazo compounds to
1-alkenylboronic esters
AUTHOR(S): Jazouli, Mohammed; Carboni, Bertrand; Carrie, Robert
CORPORATE SOURCE: GRPS, Univ. Rennes I, Rennes, 35042, Fr.
SOURCE: Heteroatom Chemistry (1994), 5(5/6), 513-18
CODEN: HETCE8; ISSN: 1042-7163
PUBLISHER: Wiley
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 123:83260
GI

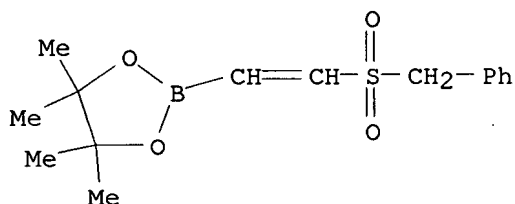


AB Diazo compds. $R_1R_2CN_2$ ($R_1 = H, Ph, CO_2Me$; $R_2 = H, Ph, Me, Et, Me_2CH, Me_3C$) were added to the parent vinylboronic ester derived from pinacol. The reactivity of some substituted 1-alkenylboronic esters is also briefly examined. The nonisolated primary adducts spontaneously rearrange via a 1,3-boron migration and lead to 1-borylated-2-pyrazolines. The structure of one of these compds., I ($R_1 = R_2 = Ph$), has been established by X-ray diffraction anal.

IT 164928-14-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (dipolar cycloaddn. of diazo compds. to alkenylboronic esters)

RN 164928-14-7 CAPLUS

CN 1,3,2-Dioxaborolane, 4,4,5,5-tetramethyl-2-[2-
 [(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)



L3 ANSWER 52 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:283696 CAPLUS

DOCUMENT NUMBER: 122:80624

TITLE: Theoretical and Experimental Analyses of the Deprotonation of Thiirane S-Oxides: The Stereoselective Formation of trans-Alkyl- and gem-Silylethenesulfenate Anions

AUTHOR(S): Refvik, Mitchell D.; Froese, Robert D. J.; Goddard, John D.; Pham, Hung H.; Pippert, Mark F.; Schwan, Adrian L.

CORPORATE SOURCE: Guelph-Waterloo Centre for Graduate Work in Chemistry, University of Guelph, Guelph, ON, N1G 2W1, Can.

SOURCE: Journal of the American Chemical Society (1995), 117(1), 184-92
 CODEN: JACSAT; ISSN: 0002-7863

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Exptl. and theor. studies of the regioselective deprotonation of thiirane S-oxides are reported. Exptl. under the reaction conditions of LiHMDS/THF/-78° with anti-alkylthiirane S-oxides or anti-silylthiirane S-oxides as starting materials, the products of ring opening are (E)-2-alkylethenesulfenate and 1-silylethenesulfenate anions, resp. Expts. involving deuterium labeling clearly indicate that a regioselective deprotonation reaction was followed by a stereoselective

ring opening. Ab initio methods at both the Hartree-Fock and Moeller-Plesset perturbation theory levels with the 6-31+G(d) basis set were used to exam. both lithiated methyl- and silylthiirane S-oxides. Of the possible anti-substituted species, the coordination of the lithium anti to the Me and gem to the silyl is predicted to be the most stable. These stable intermediates with the lithium syn to the sulfoxide could open to yield the exptl. observed products.

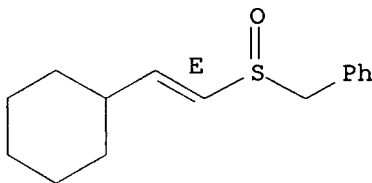
IT 152459-47-7P 160426-22-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 152459-47-7 CAPLUS

CN Benzene, [[[2-cyclohexylethenyl)sulfinyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

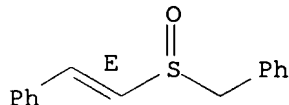
Double bond geometry as shown.



RN 160426-22-2 CAPLUS

CN Benzene, [[[1E)-2-phenylethenyl]sulfinyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 53 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:259329 CAPLUS

DOCUMENT NUMBER: 122:132682

TITLE: Stereospecific synthesis of some new Z- and E-cyclopropyl benzyl sulfones and E,Z- and E,E-bis(cyclopropyl)sulfones by PTC method
AUTHOR(S): Reddy, D. Bhaskar; Reddy, P. V. Ramana; Padmavathi, V.
CORPORATE SOURCE: Dept. Chemistry, Sri Venkateswara Univ., Tirupati, 517 502, India

SOURCE: Phosphorus, Sulfur and Silicon and the Related Elements (1994), 90(1-4), 1-10
CODEN: PSSLEC; ISSN: 1042-6507

PUBLISHER: Gordon & Breach

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 122:132682

GI

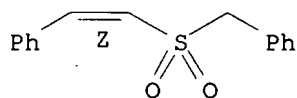
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds., Z- and E-(2-aryl-3-arylsulfonylcyclopropyl)benzyl sulfones I (R1 = H, 4-Me, 4-Cl, R2 = H, 4-Cl, 4-Br, 4-F, R3 = H, 4-Me, 4-Cl) and E,Z- and E,E-bis(2-aryl-3-arylsulfonylcyclopropyl)sulfones II

(R1 = H, 4-Me, R2 = H, 4-OEt, 4-Cl, 4-CHMe2, 2,4-Cl2, 2,6-Cl2, 2-Cl, R3 = H, 4-Cl, 4-Me) have been prepared by the reaction of aryl thiocarbenes with Z- and E-styryl benzyl sulfones III and E,Z- and E,E-bis(2-aryl-3-arylsulfonylcyclopropyl) sulfones IV under phase transfer conditions. The geometry of the substrates was found to be retained in the product formation as is evidenced by the PMR spectra, thus, confirming the stereospecificity of the reaction. The compds. were tested for bactericidal and fungicidal activity. Their toxicity was evaluated on *Periplaneta americana* (cockroach).

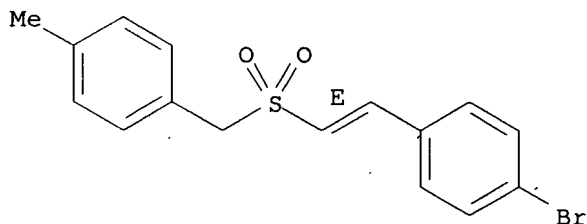
IT 32291-81-9 118672-26-7 118672-27-8
 118672-28-9 130828-65-8 130828-69-2
 136272-42-9 136272-43-0
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (stereospecific preparation and antimicrobial and insecticidal activity of cyclopropyl sulfones)
 RN 32291-81-9 CAPLUS
 CN Benzene, [[[1Z]-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



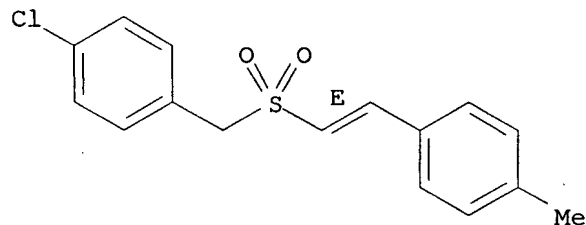
RN 118672-26-7 CAPLUS
 CN Benzene, 1-bromo-4-[(1E)-2-[[4-methylphenyl]methyl]sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



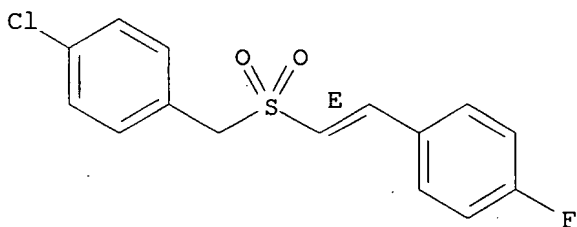
RN 118672-27-8 CAPLUS
 CN Benzene, 1-chloro-4-[[[2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



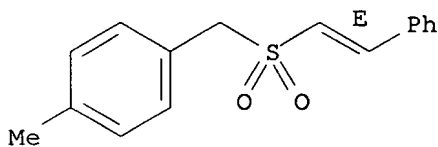
RN 118672-28-9 CAPLUS
 CN Benzene, 1-chloro-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



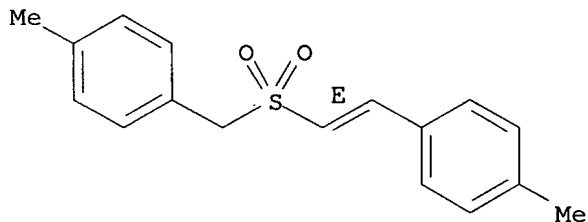
RN 130828-65-8 CAPLUS
 CN Benzene, 1-methyl-4-[[(2-phenylethenyl)sulfonyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



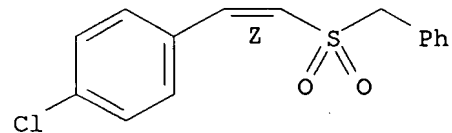
RN 130828-69-2 CAPLUS
 CN Benzene, 1-methyl-4-[[[2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



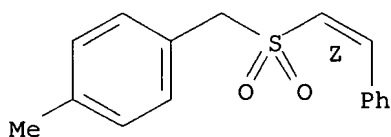
RN 136272-42-9 CAPLUS
 CN Benzene, 1-chloro-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 136272-43-0 CAPLUS
 CN Benzene, 1-methyl-4-[[(2-phenylethenyl)sulfonyl]methyl]-, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 54 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:234327 CAPLUS

Correction of: 1994:655346

DOCUMENT NUMBER: 122:160195

Correction of: 121:255346

TITLE: Phase transfer catalysis - a facile method for cyclopropanation of some isomeric styryl benzyl sulfones and bis(styryl)sulfones

AUTHOR(S): Reddy, D. Bhaskar; Reddy, P. V. Ramana; Seenaiiah, B.
CORPORATE SOURCE: Dep. Chem., Sri Venkateswara Univ., Tirupati, 517 502, India

SOURCE: ACH - Models in Chemistry (1994), 131(1), 83-92

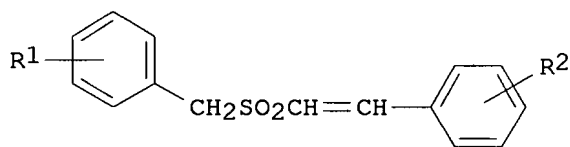
CODEN: ACMCEI; ISSN: 1217-8969

PUBLISHER: Akademiai Kiado

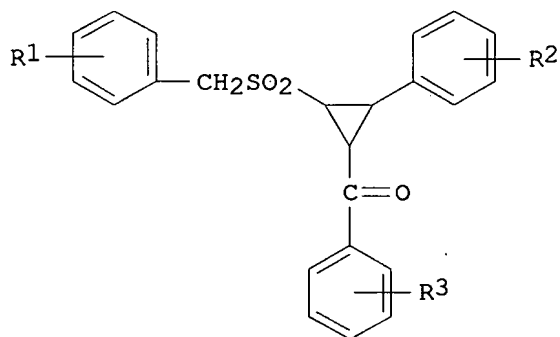
DOCUMENT TYPE: Journal

LANGUAGE: English

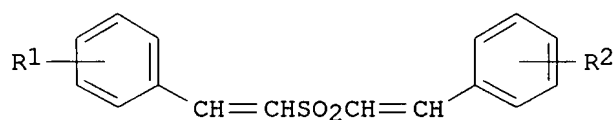
GI



I



II



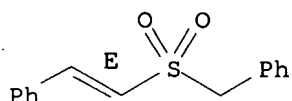
III

AB Cyclopropanation of (Z)- and (E)-styryl benzyl sulfones I (R_1 , R_2 = H, halo, alkyl, etc.) was carried out with phenacyldimethylsulfonium bromides in the presence of a phase transfer catalyst, $\text{PhCH}_2\text{N}^+\text{Et}_3\text{Cl}^-$, to give benzoylcyclopropanes II (same R_1 , R_2 ; R_3 = H, Me, halo, etc.). Cyclopropanation of (E,Z)- and (E,E)-bis(styryl)sulfones III (same R_1 , R_2) was also carried out with phenacyldimethylsulfonium bromides in the presence of a phase transfer catalyst. In the absence of a phase-transfer

catalyst the reaction did not proceed. The direct addition of dimethylsulfoxonium phenacylides to I gave the same products II.

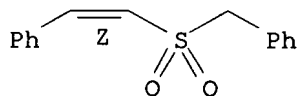
IT 32093-01-9 32291-81-9 93468-06-5
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 118672-29-0 130828-65-8 136272-35-0
 136272-37-2 136272-40-7 136272-41-8
 136272-42-9 136272-43-0 136272-44-1
 136272-45-2 158606-43-0 158606-44-1
 158606-45-2 158606-46-3
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (phase-transfer catalyzed cyclopropanation of styryl sulfones)
 RN 32093-01-9 CAPLUS
 CN Benzene, [[[(1E)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



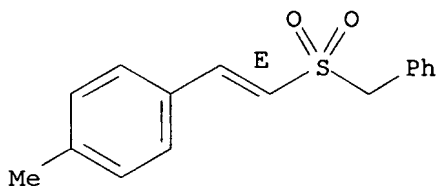
RN 32291-81-9 CAPLUS
 CN Benzene, [[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



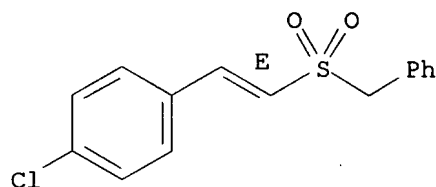
RN 93468-06-5 CAPLUS
 CN Benzene, 1-methyl-4-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 93468-07-6 CAPLUS
 CN Benzene, 1-chloro-4-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

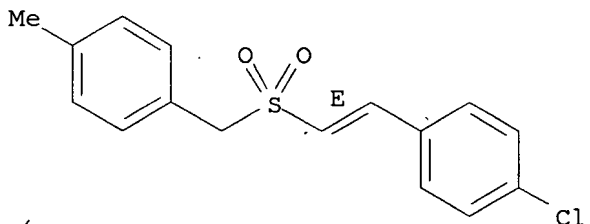
Double bond geometry as shown.



RN 118672-25-6 CAPLUS

CN Benzene, 1-chloro-4-[2-[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-, (E)-
(9CI) (CA INDEX NAME)

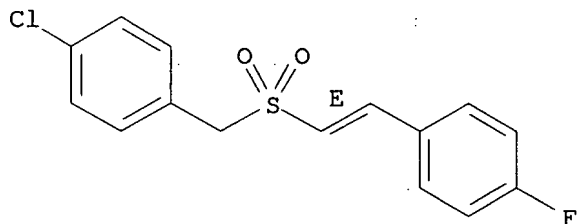
Double bond geometry as shown.



RN 118672-28-9 CAPLUS

CN Benzene, 1-chloro-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

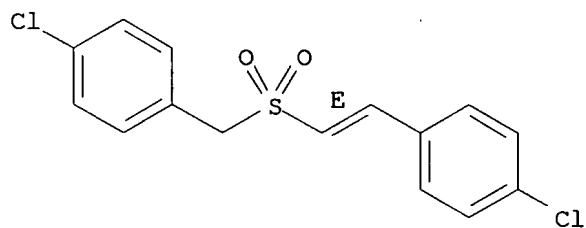
Double bond geometry as shown.



RN 118672-29-0 CAPLUS

CN Benzene, 1-chloro-4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

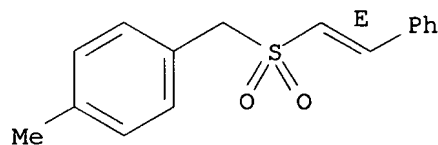
Double bond geometry as shown.



RN 130828-65-8 CAPLUS

CN Benzene, 1-methyl-4-[[(2-phenylethenyl)sulfonyl]methyl]-, (E)- (9CI) (CA
INDEX NAME)

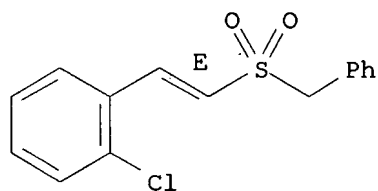
Double bond geometry as shown.



RN 136272-35-0 CAPLUS

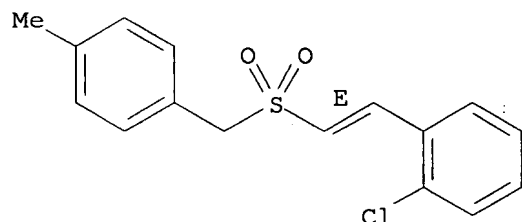
CN Benzene, 1-chloro-2-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

Double bond geometry as shown.



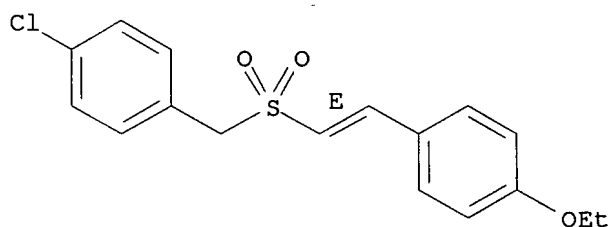
RN 136272-37-2 CAPLUS
CN Benzene, 1-chloro-2-[2-[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-, (E)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



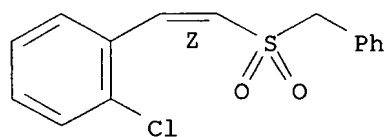
RN 136272-40-7 CAPLUS
CN Benzene, 1-chloro-4-[[[2-(4-ethoxyphenyl)ethenyl]sulfonyl]methyl]-, (E)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



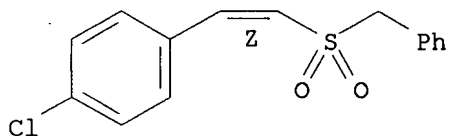
RN 136272-41-8 CAPLUS
CN Benzene, 1-chloro-2-[2-[(phenylmethyl)sulfonyl]ethenyl]-, (Z)- (9CI) (CA
INDEX NAME)

Double bond geometry as shown.



RN 136272-42-9 CAPLUS
CN Benzene, 1-chloro-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

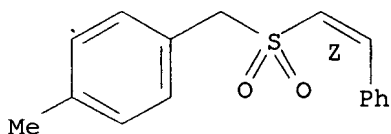
Double bond geometry as shown.



RN 136272-43-0 CAPLUS

CN Benzene, 1-methyl-4-[[(2-phenylethenyl)sulfonyl]methyl]-, (Z)- (9CI) (CA INDEX NAME)

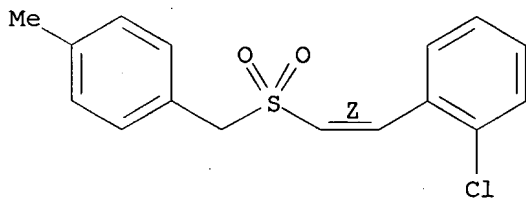
Double bond geometry as shown.



RN 136272-44-1 CAPLUS

CN Benzene, 1-chloro-2-[2-[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-, (Z)- (9CI) (CA INDEX NAME)

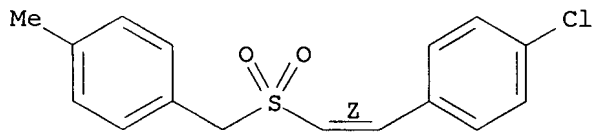
Double bond geometry as shown.



RN 136272-45-2 CAPLUS

CN Benzene, 1-chloro-4-[2-[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-, (Z)- (9CI) (CA INDEX NAME)

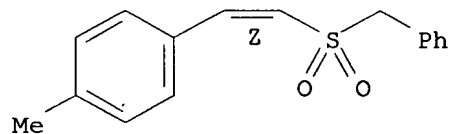
Double bond geometry as shown.



RN 158606-43-0 CAPLUS

CN Benzene, 1-methyl-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

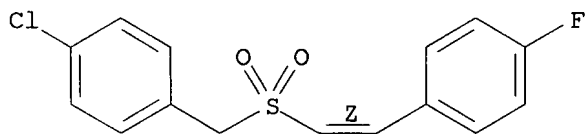


RN 158606-44-1 CAPLUS

CN Benzene, 1-chloro-4-[[[(1Z)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-

(9CI) (CA INDEX NAME)

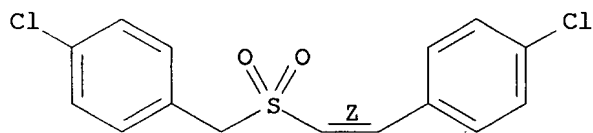
Double bond geometry as shown.



RN 158606-45-2 CAPLUS

CN Benzene, 1-chloro-4-[[[(1Z)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

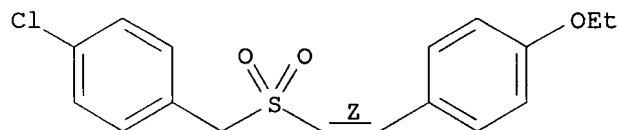
Double bond geometry as shown.



RN 158606-46-3 CAPLUS

CN Benzene, 1-chloro-4-[[[2-(4-ethoxyphenyl)ethenyl]sulfonyl]methyl]-, (Z)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 55 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1994:655346 CAPLUS

DOCUMENT NUMBER: 121:255346

TITLE: Phase transfer catalysis - a facile method for
cyclopropanation of some isomeric styryl benzyl
sulfones and bis(styryl)sulfones

AUTHOR(S): Reddy, D. Bhaskar; Reddy, P. V. Ramana; Seenaiiah, B.

CORPORATE SOURCE: Dep. Chem., Sri Venkateswara Univ., Tirupati, 517 502,
India

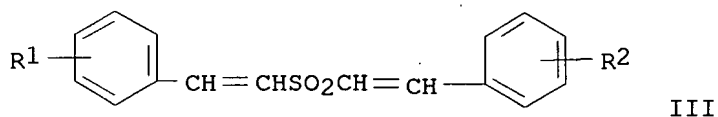
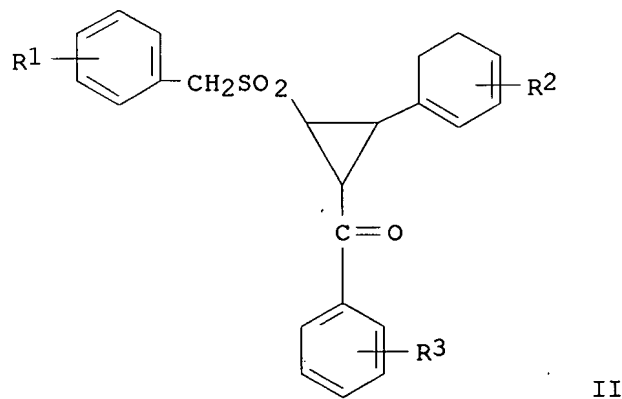
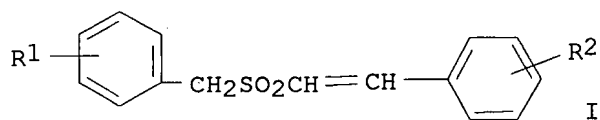
SOURCE: Acta Chimica Hungarica (1994), 131(1), 83-92

CODEN: ACHUDC; ISSN: 0231-3146

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB Cyclopropanation of (Z)- and (E)-styryl benzyl sulfones I (R1, R2 = H, halo, alkyl, etc.) was carried out with phenacyldimethylsulfonium bromides in the presence of a phase transfer catalyst, benzyltriethylammonium chloride to give products II (same R1, R2; R3 = H, Me, halo, etc.). Cyclopropanation of (E,Z)- and (E,E)-bis(styryl)sulfones III (Same R1, R2) was also carried out with phenacyldimethylsulfonium bromides in the presence of a phase transfer catalyst. In the absence of a phase-transfer catalyst the reaction did not proceed. The direct addition of dimethylsulfoxonium phenacylides to I gave the same products III.

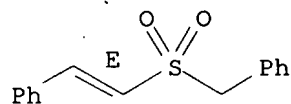
IT 32093-01-9 32291-81-9 93468-06-5
 93468-07-6 118672-25-6 118672-28-9
 118672-29-0 130828-65-8 136272-35-0
 136272-37-2 136272-40-7 136272-41-8
 136272-42-9 136272-43-0 136272-44-1
 136272-45-2 158606-43-0 158606-44-1
 158606-45-2 158606-46-3

RL: RCT (Reactant); RACT (Reactant or reagent)
 (cyclopropanation with phenacyldimethylsulfonium bromide)

RN 32093-01-9 CAPLUS

CN Benzene, [[[(1E)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

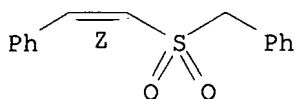
Double bond geometry as shown.



RN 32291-81-9 CAPLUS

CN Benzene, [[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

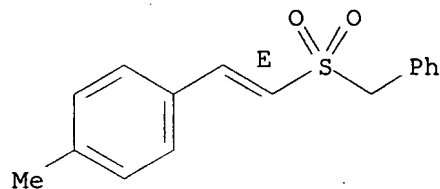
Double bond geometry as shown.



RN 93468-06-5 CAPLUS

CN Benzene, 1-methyl-4-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

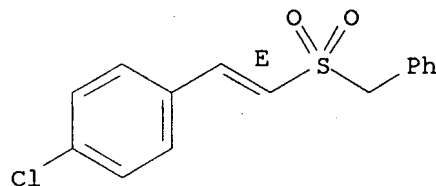
Double bond geometry as shown.



RN 93468-07-6 CAPLUS

CN Benzene, 1-chloro-4-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

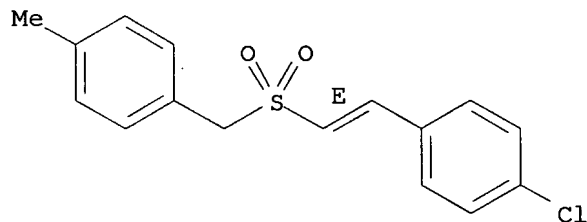
Double bond geometry as shown.



RN 118672-25-6 CAPLUS

CN Benzene, 1-chloro-4-[2-[[[4-methylphenyl)methyl]sulfonyl]ethenyl]-, (E)- (9CI) (CA INDEX NAME)

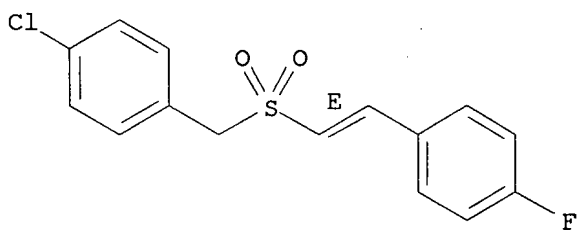
Double bond geometry as shown.



RN 118672-28-9 CAPLUS

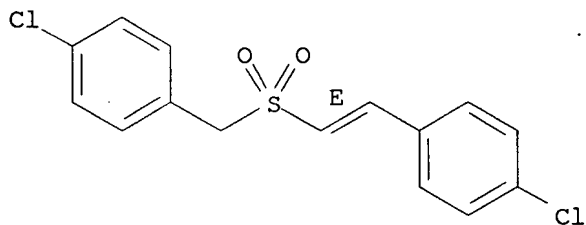
CN Benzene, 1-chloro-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



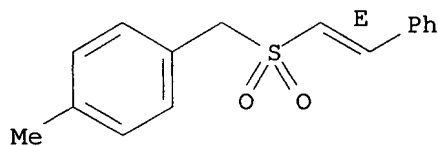
RN 118672-29-0 CAPLUS
 CN Benzene, 1-chloro-4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



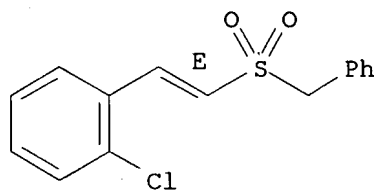
RN 130828-65-8 CAPLUS
 CN Benzene, 1-methyl-4-[[[(2-phenylethenyl)sulfonyl]methyl]-, (E)- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



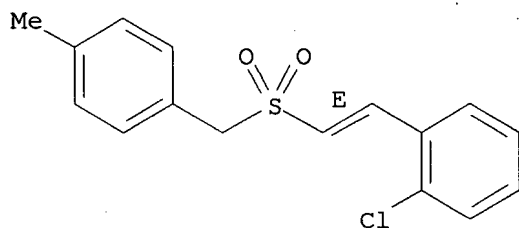
RN 136272-35-0 CAPLUS
 CN Benzene, 1-chloro-2-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



RN 136272-37-2 CAPLUS
 CN Benzene, 1-chloro-2-[2-[[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-, (E)-
 (9CI) (CA INDEX NAME)

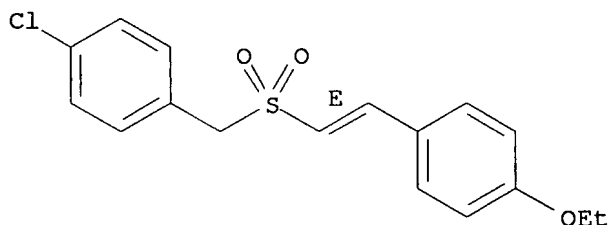
Double bond geometry as shown.



RN 136272-40-7 CAPLUS

CN Benzene, 1-chloro-4-[[[2-(4-ethoxyphenyl)ethenyl]sulfonyl]methyl]-, (E)-
(9CI) (CA INDEX NAME)

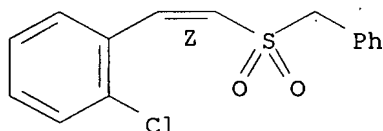
Double bond geometry as shown.



RN 136272-41-8 CAPLUS

CN Benzene, 1-chloro-2-[2-[(phenylmethyl)sulfonyl]ethenyl]-, (Z)- (9CI) (CA
INDEX NAME)

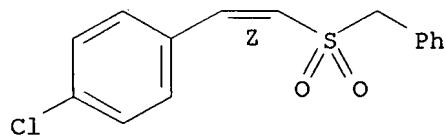
Double bond geometry as shown.



RN 136272-42-9 CAPLUS

CN Benzene, 1-chloro-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

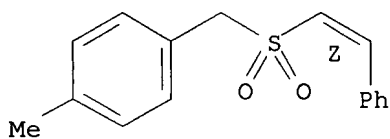
Double bond geometry as shown.



RN 136272-43-0 CAPLUS

CN Benzene, 1-methyl-4-[[[2-(phenylethenyl)sulfonyl]methyl]-, (Z)- (9CI) (CA
INDEX NAME)

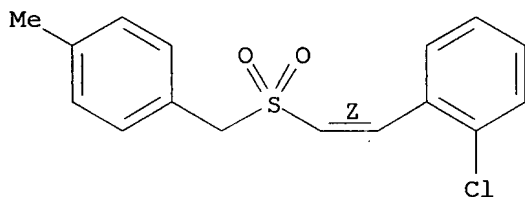
Double bond geometry as shown.



RN 136272-44-1 CAPLUS

CN Benzene, 1-chloro-2-[2-[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-, (Z)-
(9CI) (CA INDEX NAME)

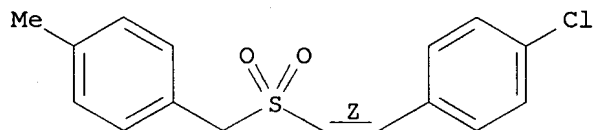
Double bond geometry as shown.



RN 136272-45-2 CAPLUS

CN Benzene, 1-chloro-4-[2-[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-, (Z)-
(9CI) (CA INDEX NAME)

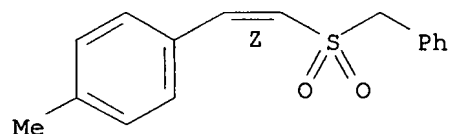
Double bond geometry as shown.



RN 158606-43-0 CAPLUS

CN Benzene, 1-methyl-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA
INDEX NAME)

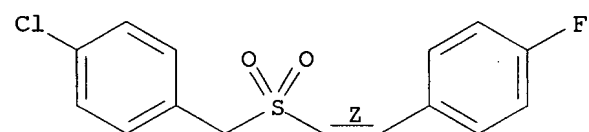
Double bond geometry as shown.



RN 158606-44-1 CAPLUS

CN Benzene, 1-chloro-4-[[[(1Z)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

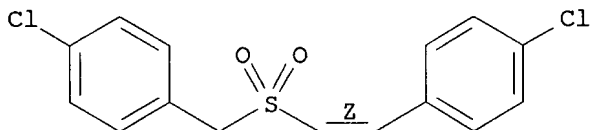
Double bond geometry as shown.



RN 158606-45-2 CAPLUS

CN Benzene, 1-chloro-4-[[[(1Z)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

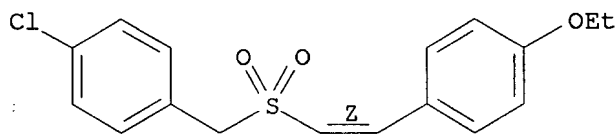
Double bond geometry as shown.



RN 158606-46-3 CAPLUS

CN Benzene, 1-chloro-4-[[[2-(4-ethoxyphenyl)ethenyl]sulfonyl]methyl]-, (Z)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 56 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1994:76865 CAPLUS

DOCUMENT NUMBER: 120:76865

TITLE: The selective generation of trans-substituted lithium and sodium ethenesulfenate anions

AUTHOR(S): Schwan, Adrian L.; Pippert, Mark F.; Pham, Hung H.; Roche, Michael R.

CORPORATE SOURCE: Guelph-Waterloo Cent. Grad. Work Chem., Univ. Guelph, Guelph, ON, N1G 2W1, Can.

SOURCE: Journal of the Chemical Society, Chemical Communications (1993), (17), 1312-14
CODEN: JCCCAT; ISSN: 0022-4936

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 120:76865

AB The reaction of anti-alkylthiirane S-oxides with hindered amide bases affords trans-substituted ethenesulfenate anions via a deprotonation-ring opening sequence. Thus, treatment of methylthiirane S-oxide with LDA and then p-MeC6H4CH2Br in THF afforded 58% (E)-MeCH:CHS(O)CH2C6H4Me-p and 12% CH2:CMes(O)CH2C6H4Me-p.

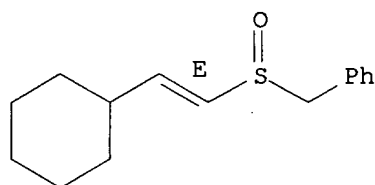
IT 152459-47-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 152459-47-7 CAPLUS

CN Benzene, [[(2-cyclohexylethenyl)sulfinyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 57 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1991:558544 CAPLUS

DOCUMENT NUMBER: 115:158544

TITLE: Synthesis and cyclopropanation of (E)- and (Z)-styryl benzyl sulfones

AUTHOR(S): Reddy, D. Bhaskar; Reddy, P. V. Ramana; Padmavathi, V.; Reddy, M. V. Ramana

CORPORATE SOURCE: Dep. Chem., S. V. Univ., Tirupati, 517502, India

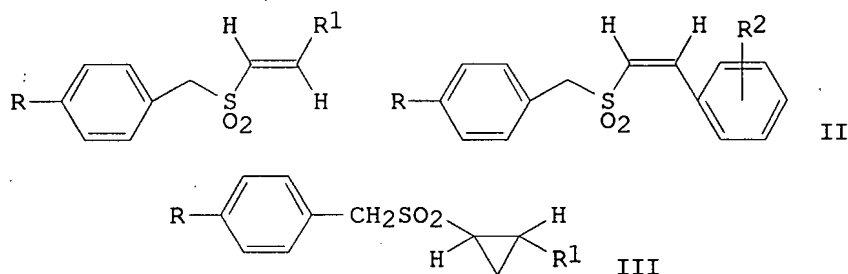
SOURCE: Sulfur Letters (1991), 13(2), 83-90

CODEN: SULED2; ISSN: 0278-6117

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB (E)-Styryl sulfones, e.g., I (R = H, Me, Cl; R¹ = 4-C₆H₄Me, 2-, 4-C₆H₄Cl, Ph, 1-ClOH₇) were prepared by the condensation of 4-RC₆H₄CH₂SO₂CH₂CO₂H with R¹CHO in the presence of a catalytic amount of PhCH₂NH₂. (Z)-Styryl sulfones II (R = H, Me; R² = 2-, 4-Cl) were prepared by the addition of 4-RC₆H₄CH₂SH to R²C₆H₄C.tplbond.CH in presence of NaOMe. Cyclopropanation of I with dimethylsulfoxonium methylide gave trans-cyclopropanes III (R, R¹ as above).

IT 93468-06-5P 93468-07-6P 130828-65-8P

130828-69-2P 136272-35-0P 136272-36-1P

136272-37-2P 136272-38-3P

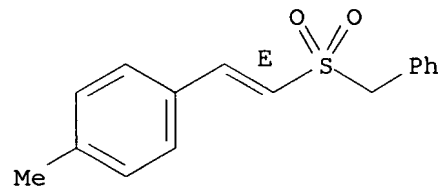
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and cyclopropanation of)

RN 93468-06-5 CAPLUS

CN Benzene, 1-methyl-4-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

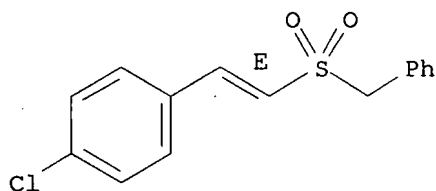
Double bond geometry as shown.



RN 93468-07-6 CAPLUS

CN Benzene, 1-chloro-4-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

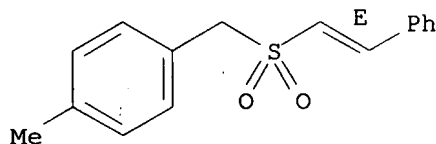
Double bond geometry as shown.



RN 130828-65-8 CAPLUS

CN Benzene, 1-methyl-4-[[2-(phenylethenyl)sulfonyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

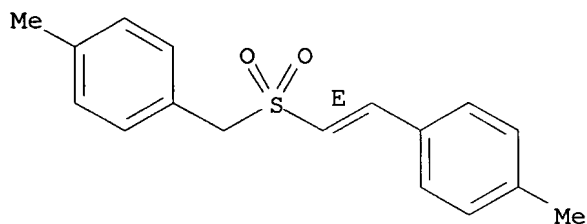
Double bond geometry as shown.



RN 130828-69-2 CAPLUS

CN Benzene, 1-methyl-4-[[[2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

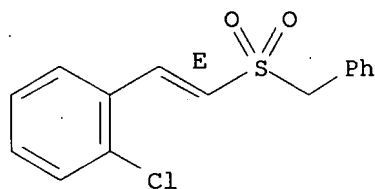
Double bond geometry as shown.



RN 136272-35-0 CAPLUS

CN Benzene, 1-chloro-2-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

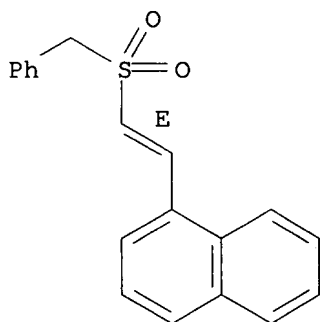
Double bond geometry as shown.



RN 136272-36-1 CAPLUS

CN Naphthalene, 1-[2-[(phenylmethyl)sulfonyl]ethenyl]-, (E)- (9CI) (CA INDEX NAME)

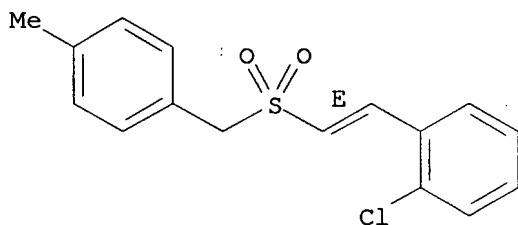
Double bond geometry as shown.



RN 136272-37-2 CAPLUS

CN Benzene, 1-chloro-2-[2-[[4-methylphenyl)methyl]sulfonyl]ethenyl]-, (E)-
(9CI) (CA INDEX NAME)

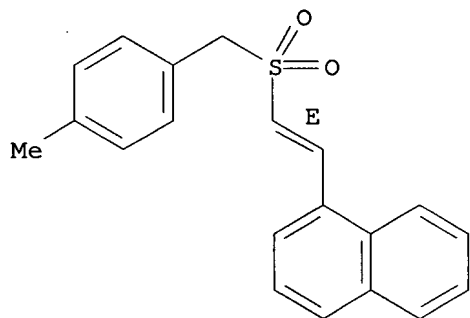
Double bond geometry as shown.



RN 136272-38-3 CAPLUS

CN Naphthalene, 1-[2-[[4-methylphenyl)methyl]sulfonyl]ethenyl]-, (E)- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



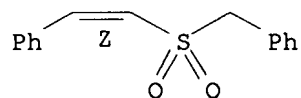
IT 32291-81-9P 136272-39-4P 136272-40-7P
136272-41-8P 136272-42-9P 136272-43-0P
136272-44-1P 136272-45-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 32291-81-9 CAPLUS

CN Benzene, [[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

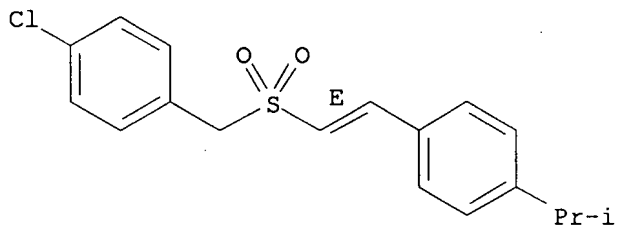
Double bond geometry as shown.



RN 136272-39-4 CAPLUS

CN Benzene, 1-chloro-4-[[[2-[4-(1-methylethyl)phenyl]ethenyl]sulfonyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

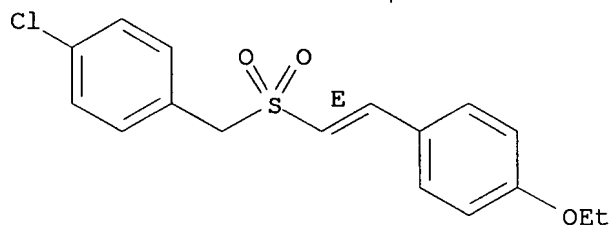
Double bond geometry as shown.



RN 136272-40-7 CAPLUS

CN Benzene, 1-chloro-4-[[[2-(4-ethoxyphenyl)ethenyl]sulfonyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

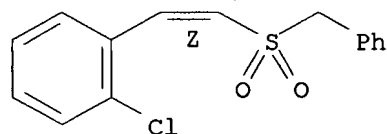
Double bond geometry as shown.



RN 136272-41-8 CAPLUS

CN Benzene, 1-chloro-2-[2-[(phenylmethyl)sulfonyl]ethenyl]-, (Z)- (9CI) (CA INDEX NAME)

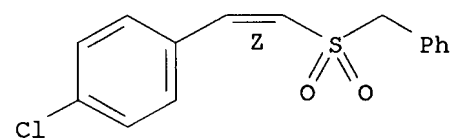
Double bond geometry as shown.



RN 136272-42-9 CAPLUS

CN Benzene, 1-chloro-4-[(1Z)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

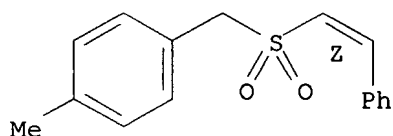
Double bond geometry as shown.



RN 136272-43-0 CAPLUS

CN Benzene, 1-methyl-4-[[[2-(phenylethenyl)sulfonyl]methyl]-, (Z)- (9CI) (CA INDEX NAME)

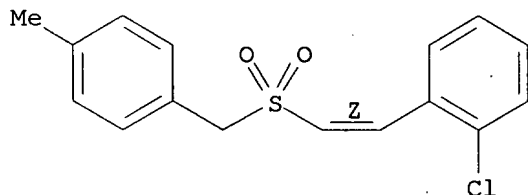
Double bond geometry as shown.



RN 136272-44-1 CAPLUS

CN Benzene, 1-chloro-2-[2-[[4-methylphenyl)methyl]sulfonyl]ethenyl]-, (Z)-
(9CI) (CA INDEX NAME)

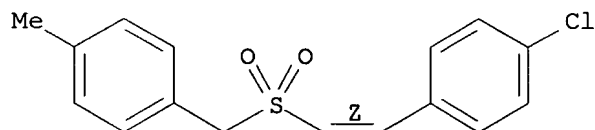
Double bond geometry as shown.



RN 136272-45-2 CAPLUS

CN Benzene, 1-chloro-4-[2-[[4-methylphenyl)methyl]sulfonyl]ethenyl]-, (Z)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 58 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1991:514078 CAPLUS

DOCUMENT NUMBER: 115:114078

TITLE: Synthesis of some novel α,β -ethylenic sulfones

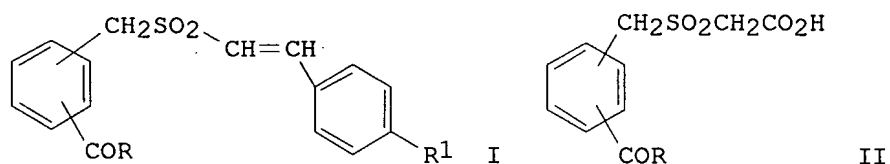
AUTHOR(S): Reddy, M. V. Ramana; Vijayalakshmi, S.; Reddy, D. Bhaskar; Reddy, P. V. Ramana

CORPORATE SOURCE: Pondicherry Eng. Coll., Pondicherry, India
SOURCE: Phosphorus, Sulfur and Silicon and the Related Elements (1991), 60(3-4), 209-14
CODEN: PSSLEC; ISSN: 1042-6507

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB Novel unsatd. sulfones E-I (R = NH₂, OMe, OEt, R₁ = H, Me, Br, Cl) and p-PhCH₂NHCOC₆H₄CH₂:SO₂CH:CHC₆H₄R₁-p (R₁ = H, Br, Cl, F, NO₂, OEt) have been prepared by the Knoevenagel condensation of alkoxy/carbamoyl benzylsulfonylacetic acids II and p-HO₂CC₆H₄CH₂SO₂CH₂CO₂H with p-R₁C₆H₄CHO. The (E) geometry of these compds. has been assigned based by IR and ¹H NMR spectral data.

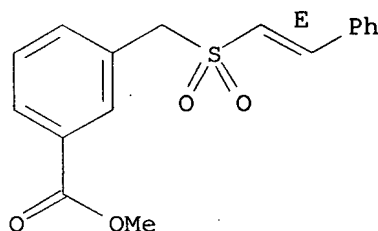
IT 135653-98-4P 135653-99-5P 135654-00-1P
 135654-01-2P 135654-02-3P 135654-03-4P
 135654-04-5P 135654-05-6P 135654-06-7P
 135654-07-8P 135654-08-9P 135654-09-0P
 135654-10-3P 135654-11-4P 135654-12-5P
 135654-13-6P 135654-14-7P 135654-15-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 135653-98-4 CAPLUS

CN Benzoic acid, 3-[[[2-(phenylethenyl)sulfonyl]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

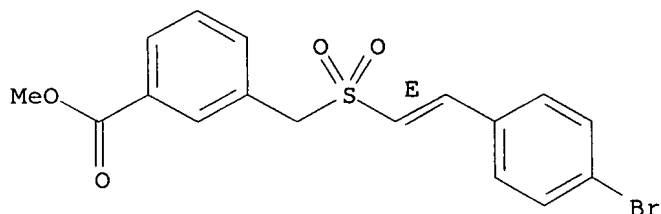
Double bond geometry as shown.



RN 135653-99-5 CAPLUS

CN Benzoic acid, 3-[[[2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

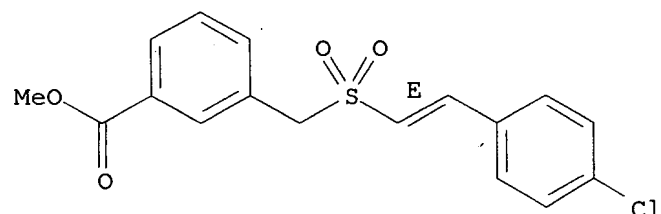
Double bond geometry as shown.



RN 135654-00-1 CAPLUS

CN Benzoic acid, 3-[[[2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

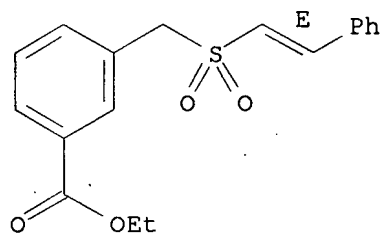
Double bond geometry as shown.



RN 135654-01-2 CAPLUS

CN Benzoic acid, 3-[[[2-phenylethenyl)sulfonyl)methyl]-, ethyl ester, (E)-
(9CI) (CA INDEX NAME)

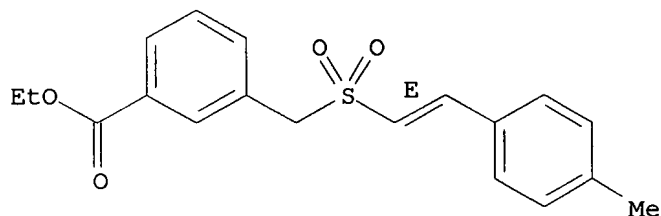
Double bond geometry as shown.



RN 135654-02-3 CAPLUS

CN Benzoic acid, 3-[[[2-(4-methylphenyl)ethenyl)sulfonyl)methyl]-, ethyl
ester, (E)- (9CI) (CA INDEX NAME)

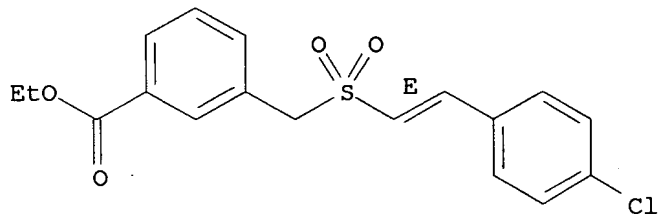
Double bond geometry as shown.



RN 135654-03-4 CAPLUS

CN Benzoic acid, 3-[[[2-(4-chlorophenyl)ethenyl)sulfonyl)methyl]-, ethyl
ester, (E)- (9CI) (CA INDEX NAME)

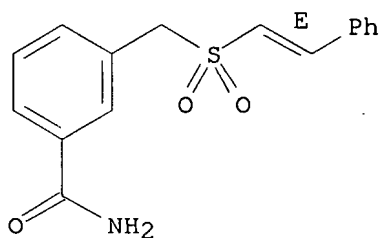
Double bond geometry as shown.



RN 135654-04-5 CAPLUS

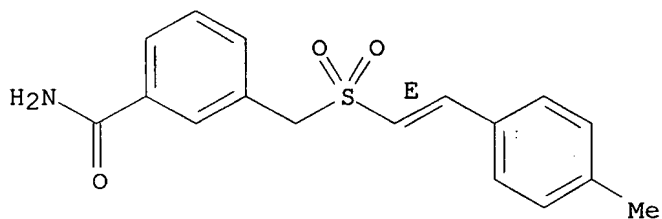
CN Benzamide, 3-[[[2-phenylethenyl)sulfonyl)methyl]-, (E)- (9CI) (CA INDEX
NAME)

Double bond geometry as shown.



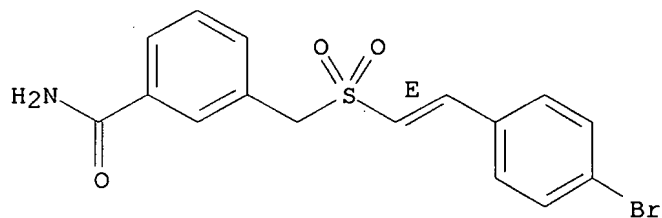
RN 135654-05-6 CAPLUS
 CN Benzamide, 3-[[[2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-, (E)- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



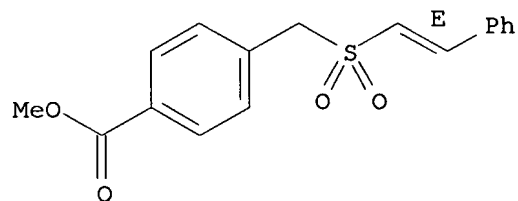
RN 135654-06-7 CAPLUS
 CN Benzamide, 3-[[[2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-, (E)- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



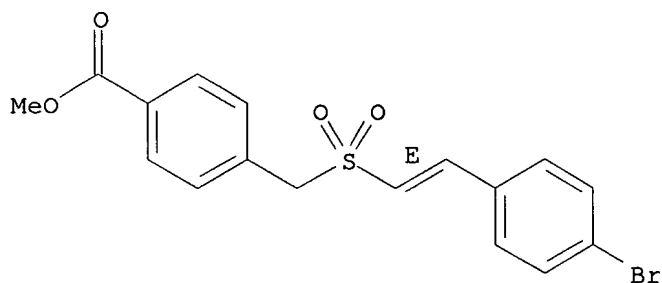
RN 135654-07-8 CAPLUS
 CN Benzoic acid, 4-[[[2-(phenylethenyl)sulfonyl]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 135654-08-9 CAPLUS
 CN Benzoic acid, 4-[[[2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

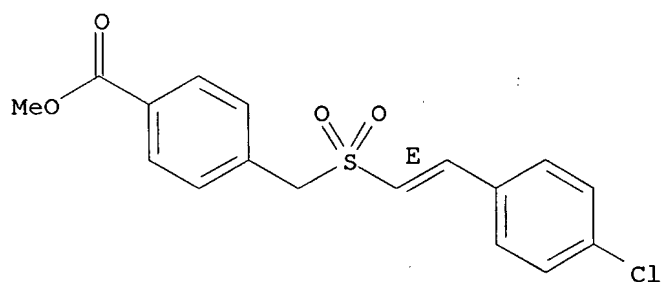
Double bond geometry as shown.



RN 135654-09-0 CAPLUS

CN Benzoic acid, 4-[[[2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

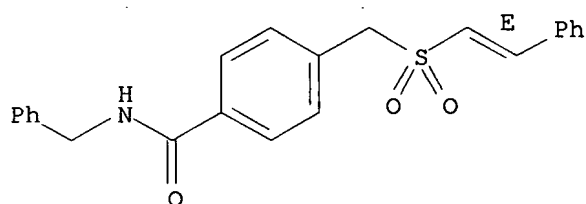
Double bond geometry as shown.



RN 135654-10-3 CAPLUS

CN Benzamide, 4-[[[2-(phenylethenyl)sulfonyl]methyl]-N-(phenylmethyl)-, (E)- (9CI) (CA INDEX NAME)

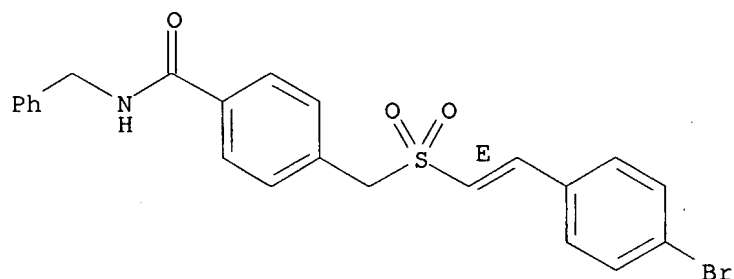
Double bond geometry as shown.



RN 135654-11-4 CAPLUS

CN Benzamide, 4-[[[2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-N-(phenylmethyl)-, (E)- (9CI) (CA INDEX NAME)

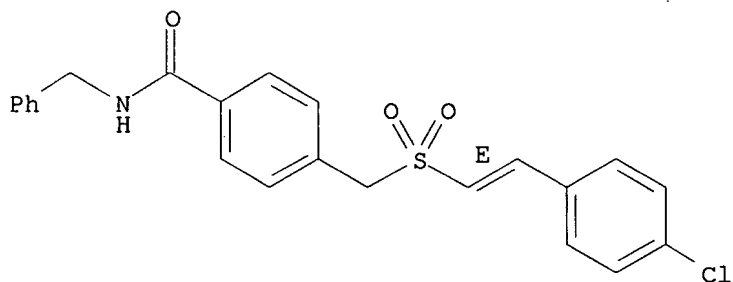
Double bond geometry as shown.



RN 135654-12-5 CAPLUS

CN Benzamide, 4-[[[2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-N-(phenylmethyl)-, (E)- (9CI) (CA INDEX NAME)

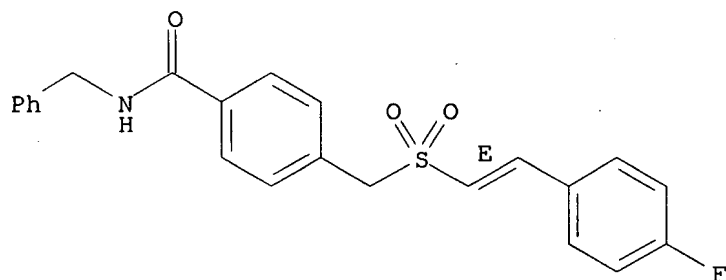
Double bond geometry as shown.



RN 135654-13-6 CAPLUS

CN Benzamide, 4-[[[2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-N-(phenylmethyl)-, (E)- (9CI) (CA INDEX NAME)

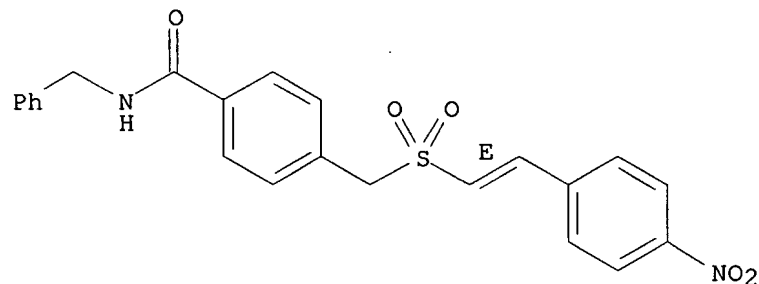
Double bond geometry as shown.



RN 135654-14-7 CAPLUS

CN Benzamide, 4-[[[2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-N-(phenylmethyl)-, (E)- (9CI) (CA INDEX NAME)

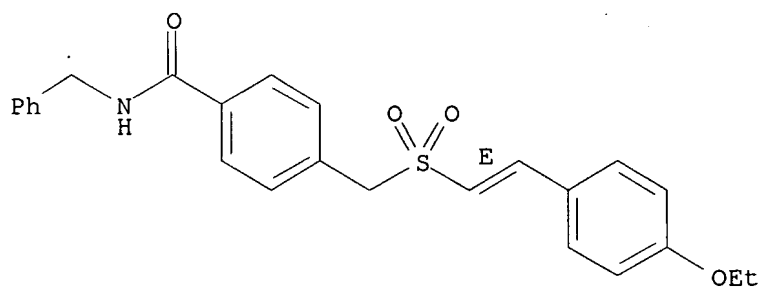
Double bond geometry as shown.



RN 135654-15-8 CAPLUS

CN Benzamide, 4-[[[2-(4-ethoxyphenyl)ethenyl]sulfonyl]methyl]-N-(phenylmethyl)-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 59 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1991:5934 CAPLUS

DOCUMENT NUMBER: 114:5934

TITLE: A new route for the synthesis of styryl benzyl sulfones, precursors of 1-(benzylsulfonyl)-2-arylcyclopropanes

AUTHOR(S): Reddy, M. V. Ramana; Reddy, D. Bhaskar; Reddy, P. V. Ramana; Vijayalaskhmi, S.

CORPORATE SOURCE: Wistar Inst. Anat. Biol., Philadelphia, PA, USA

SOURCE: Phosphorus, Sulfur and Silicon and the Related Elements (1990), 53(1-4), 285-90
CODEN: PSSLEC; ISSN: 1042-6507

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 114:5934

AB A novel method for the synthesis of (E)-styryl benzyl sulfones from (E)-sodium styrylsulfinates and benzyl chlorides has been described. The cyclopropanation of these compds. with dimethylsulfonium methylide gave (E)-1-(benzylsulfonyl)-2-arylcyclopropanes in good yields. The corresponding Z isomers have been obtained by the cycloaddn. of benzylthiocarbenes to styrenes under phase-transfer catalysis. Their geometry has been assigned from IR and ¹H NMR spectral data.

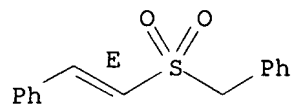
IT 32093-01-9P 93468-06-5P 118672-27-8P
130828-65-8P 130828-66-9P 130828-67-0P
130828-68-1P 130828-69-2P 130828-70-5P
130828-71-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclopropanation of)

RN 32093-01-9 CAPLUS

CN Benzene, [1-(1E)-2-phenylethenyl]sulfonylmethyl]- (9CI) (CA INDEX NAME)

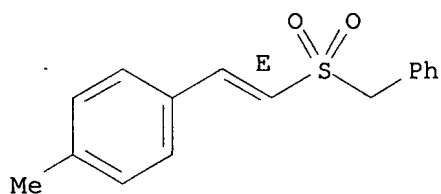
Double bond geometry as shown.



RN 93468-06-5 CAPLUS

CN Benzene, 1-methyl-4-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

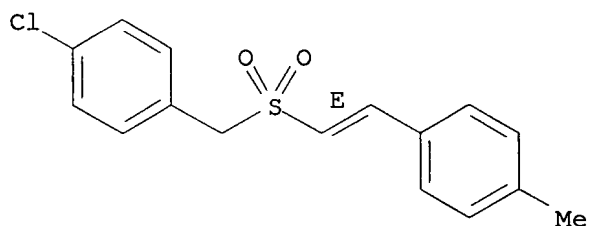
Double bond geometry as shown.



RN 118672-27-8 CAPLUS

CN Benzene, 1-chloro-4-[[[2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

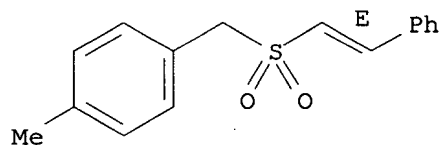
Double bond geometry as shown.



RN 130828-65-8 CAPLUS

CN Benzene, 1-methyl-4-[[[2-(phenylethenyl)sulfonyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

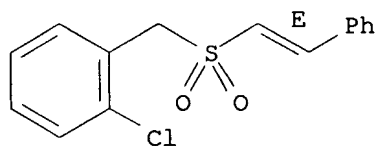
Double bond geometry as shown.



RN 130828-66-9 CAPLUS

CN Benzene, 1-chloro-2-[[[2-(phenylethenyl)sulfonyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

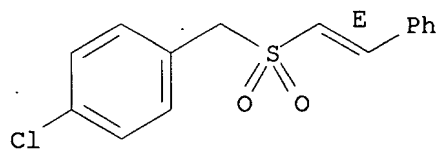
Double bond geometry as shown.



RN 130828-67-0 CAPLUS

CN Benzene, 1-chloro-4-[[[2-(phenylethenyl)sulfonyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

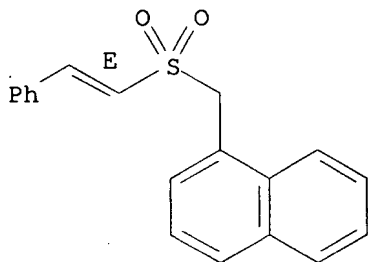
Double bond geometry as shown.



RN 130828-68-1 CAPLUS

CN Naphthalene, 1-[[2-(4-chlorophenyl)ethenyl]sulfonyl]methyl-, (E)- (9CI) (CA INDEX NAME)

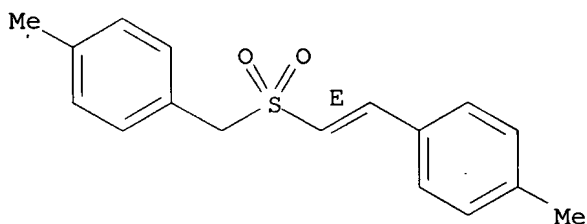
Double bond geometry as shown.



RN 130828-69-2 CAPLUS

CN Benzene, 1-methyl-4-[[[2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

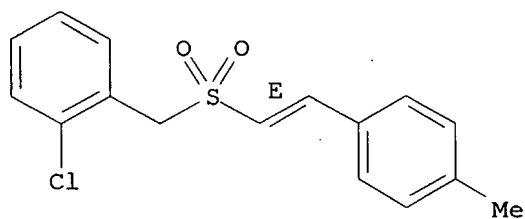
Double bond geometry as shown.



RN 130828-70-5 CAPLUS

CN Benzene, 1-chloro-2-[[[2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

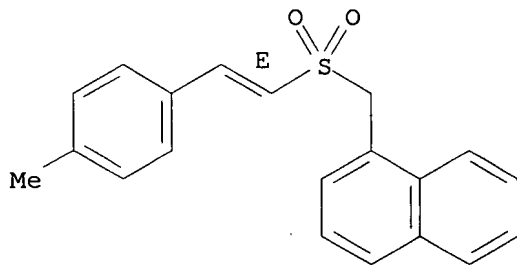
Double bond geometry as shown.



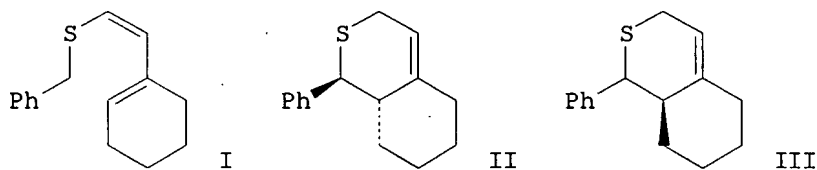
RN 130828-71-6 CAPLUS

CN Naphthalene, 1-[[[2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

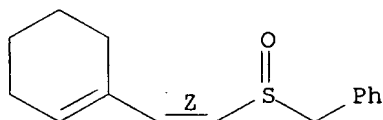


L3 ANSWER 60 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1990:631146 CAPLUS
 DOCUMENT NUMBER: 113:231146
 TITLE: Synthesis and properties of substituted
 α' -lithiated $\alpha(Z),\gamma$ -dienyl
 sulfoxides. Part II. Stereochemical studies on
 products obtained by cyclization of α' -lithiated
 $\alpha(Z),\gamma$ -dienyl sulfide, sulfoxide, and
 sulfone
 AUTHOR(S): Reglier, M.; Julia, S. A.
 CORPORATE SOURCE: Fac. Sci. Saint-Jerome, Univ. Aix-Marseille III,
 Marseille, 13397, Fr.
 SOURCE: Bulletin de la Societe Chimique de France (1990),
 (March-April), 236-44
 CODEN: BSCFAS; ISSN: 0037-8968
 DOCUMENT TYPE: Journal
 LANGUAGE: French
 OTHER SOURCE(S): CASREACT 113:231146
 GI



AB The lithio derivative of sulfide I was prepared and gave after protonation the
 two compds. trans-II (45%) and cis-III (15%). In the same way, the
 corresponding sulfoxide and sulfone were converted stereospecifically into
 the anti,cis (68%) and cis (61%) compds., resp. For each of the three
 lithio derivs., the possible transition states were examined
 IT 100420-61-9P 130629-39-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and sequential lithiation and cyclization of)
 RN 100420-61-9 CAPLUS
 CN Benzene, [[[2-(1-cyclohexen-1-yl)ethenyl]sulfinyl]methyl]-, (Z)- (9CI)
 (CA INDEX NAME)

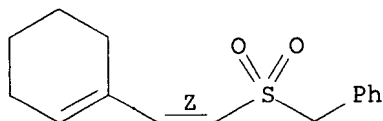
Double bond geometry as shown.



RN 130629-39-9 CAPLUS

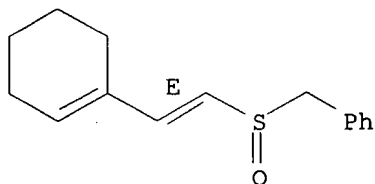
CN Benzene, [[[2-(1-cyclohexen-1-yl)ethenyl]sulfonyl]methyl]-, (Z)- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



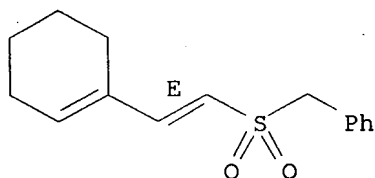
IT 100420-70-0P 130629-43-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 100420-70-0 CAPLUS
CN Benzene, [[[2-(1-cyclohexen-1-yl)ethenyl]sulfinyl]methyl]-, (E)- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.

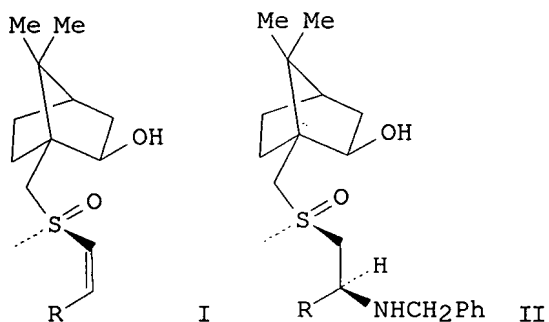


RN 130629-43-5 CAPLUS
CN Benzene, [[[2-(1-cyclohexen-1-yl)ethenyl]sulfonyl]methyl]-, (E)- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 61 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:441028 CAPLUS
DOCUMENT NUMBER: 113:41028
TITLE: Conjugate addition of amines to (Rs)-10-isobornyl
vinyl sulfoxides
AUTHOR(S): Pyne, Stephen G.; Bloem, Peter; Griffith, Renate
CORPORATE SOURCE: Dep. Chem., Univ. Wollongong, Wollongong, 2500,
Austria
SOURCE: Tetrahedron (1989), 45(22), 7013-22
CODEN: TETRAB; ISSN: 0040-4020
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 113:41028
GI



AB Chiral (E)- and (Z)-(*Rs*)-10-isobornyl vinyl sulfoxides were prepared the (Z) isomers undergo highly diastereoselective conjugate addition with PhCH₂NH₂ whereas the (E) isomers show poor product diastereoselection. Thus, sulfoxide I (R = Ph, CH₂OSiMe₂CMe₃), when treated with PhCH₂NH₂, gave amines II, preferentially.

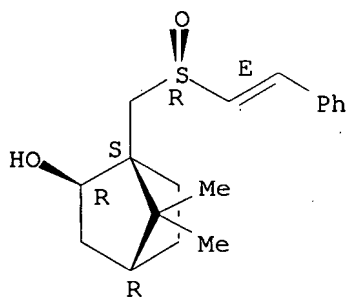
IT 127891-51-4P 127994-60-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and conjugate addition to, by benzylamine)

RN 127891-51-4 CAPLUS

CN Bicyclo[2.2.1]heptan-2-ol, 7,7-dimethyl-1-[[2-phenylethenyl)sulfinyl]methyl]-, [1*S*-[1*α*[*S*^{*}(*E*)],2*β*,4*β*]]-(9CI) (CA INDEX NAME)

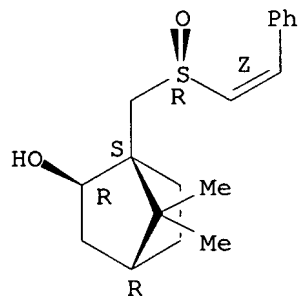
Absolute stereochemistry.
Double bond geometry as shown.



RN 127994-60-9 CAPLUS

CN Bicyclo[2.2.1]heptan-2-ol, 7,7-dimethyl-1-[[2-phenylethenyl)sulfinyl]methyl]-, [1*S*-[1*α*[*S*^{*}(*Z*)],2*β*,4*β*]]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



L3 ANSWER 62 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1989:573260 CAPLUS

DOCUMENT NUMBER: 111:173260

TITLE: Synthesis and carbon-13 NMR spectral study of bis(benzyl- and arylsulfonylethenyl)benzenes

AUTHOR(S): Reddy, M. V. Ramana; Balasubramanyam, S.; Reddy, D. Bhaskar; Reddy, S.; Seenaiiah, B.

CORPORATE SOURCE: Dep. Chem., Pondicherry Eng. Coll., Pondicherry, 605 104, India

SOURCE: Sulfur Letters (1988), 8(4), 237-44

CODEN: SULED2; ISSN: 0278-6117

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 111:173260

AB Benzyl- and arylsulfonylacetic acids have been condensed with benzenedicarboxaldehydes to give a new class of unsatd. sulfones, 1,2-, 1,3-, and 1,4-bis(benzyl- and arylsulfonylethenyl)benzenes. Their configurations were assigned on the basis of IR and proton and 13C NMR spectral data.

IT 123147-25-1P 123147-26-2P 123147-27-3P

123147-28-4P 123147-31-9P 123147-32-0P

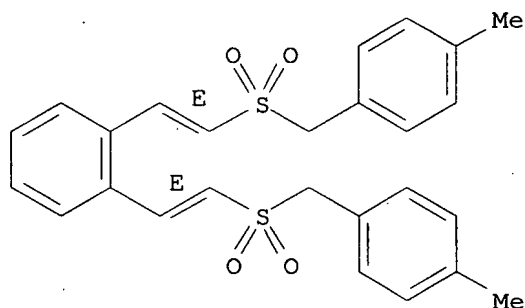
123147-33-1P 123147-34-2P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and spectra of)

RN 123147-25-1 CAPLUS

CN Benzene, 1,2-bis[2-[(4-methylphenyl)methylsulfonyl]ethenyl]-, (E,E)- (9CI) (CA INDEX NAME)

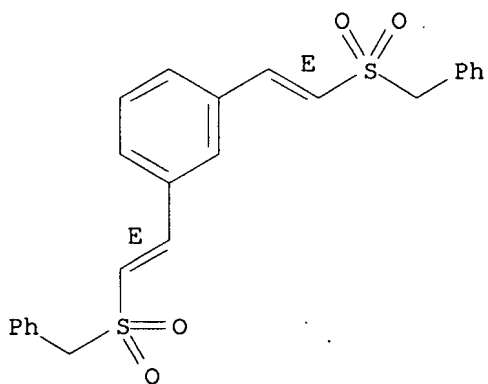
Double bond geometry as shown.



RN 123147-26-2 CAPLUS

CN Benzene, 1,3-bis[2-[(phenylmethyl)sulfonyl]ethenyl]-, (E,E)- (9CI) (CA INDEX NAME)

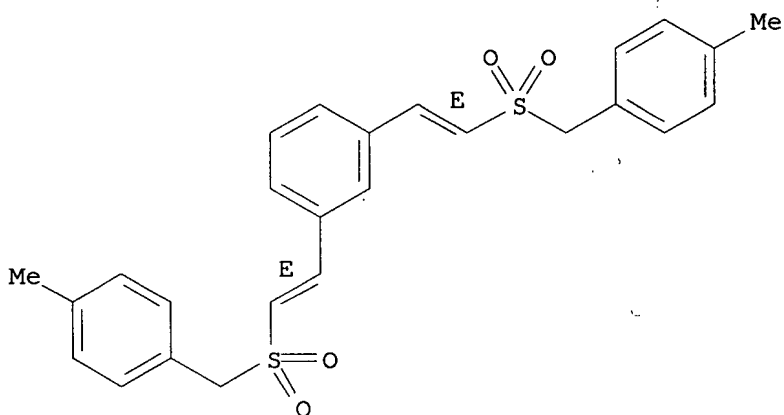
Double bond geometry as shown.



RN 123147-27-3 CAPLUS

CN Benzene, 1,3-bis[2-[[4-methylphenyl)methyl]sulfonyl]ethenyl]-, (E,E)-
(9CI) (CA INDEX NAME)

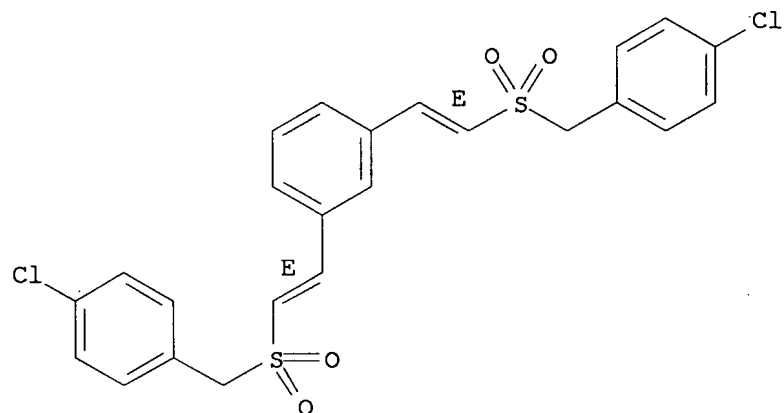
Double bond geometry as shown.



RN 123147-28-4 CAPLUS

CN Benzene, 1,3-bis[2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-, (E,E)-
(9CI) (CA INDEX NAME)

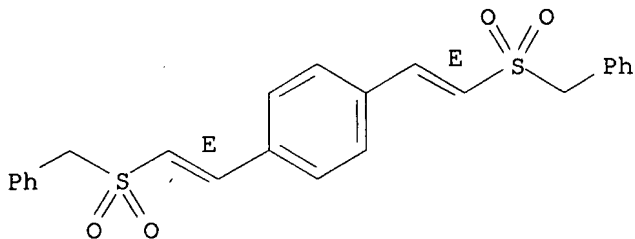
Double bond geometry as shown.



RN 123147-31-9 CAPLUS

CN Benzene, 1,4-bis[2-[(phenylmethyl)sulfonyl]ethenyl]-, (E,E)- (9CI) (CA
INDEX NAME)

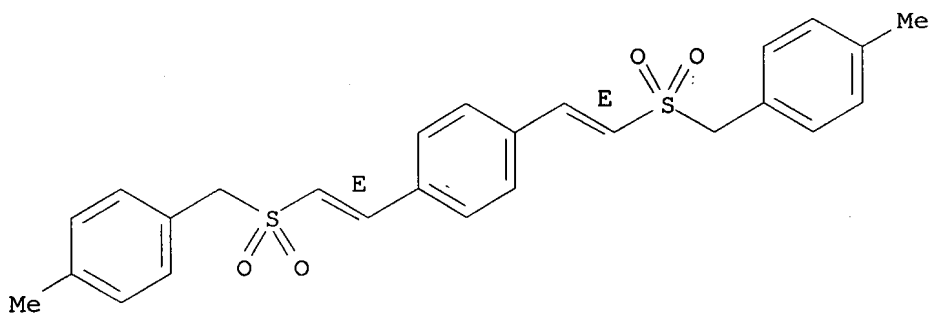
Double bond geometry as shown.



RN 123147-32-0 CAPLUS

CN Benzene, 1,4-bis[2-[[4-methylphenyl)methyl]sulfonyl]ethenyl]-, (E,E)-
(9CI) (CA INDEX NAME)

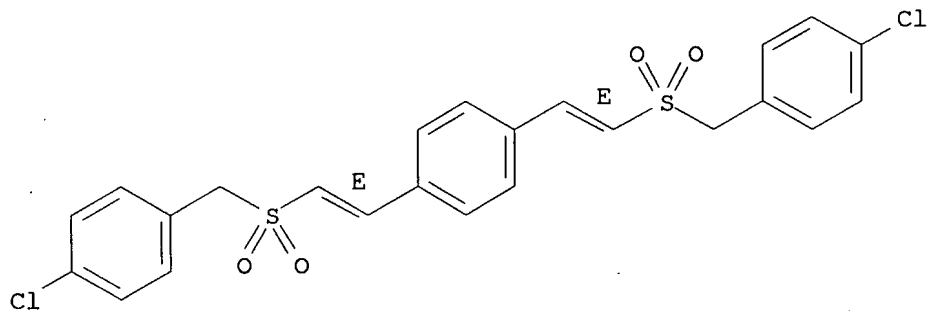
Double bond geometry as shown.



RN 123147-33-1 CAPLUS

CN Benzene, 1,4-bis[2-[[4-chlorophenyl)methyl]sulfonyl]ethenyl]-, (E,E)-
(9CI) (CA INDEX NAME)

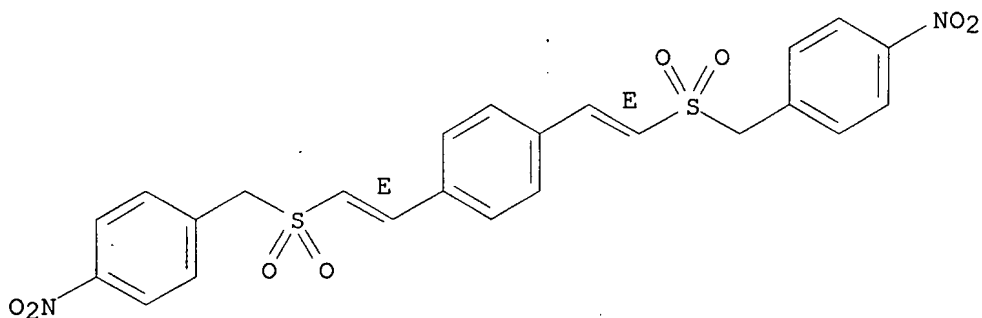
Double bond geometry as shown.



RN 123147-34-2 CAPLUS

CN Benzene, 1,4-bis[2-[[4-nitrophenyl)methyl]sulfonyl]ethenyl]-, (E,E)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 63 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1989:533711 CAPLUS

DOCUMENT NUMBER: 111:133711

TITLE: Synthesis of 1,3-xylylenebis(sulfonylstyrenes)

AUTHOR(S): Reddy, M. V. Ramana; Vijayalakshmi, S.; Reddy, D. Bhaskar; Reddy, N. Subba

CORPORATE SOURCE: Dep. Chem., Pondicherry Eng. Coll., Pillaichavadi, 605 104, India

SOURCE: Acta Chimica Hungarica (1988), 125(6), 793-6

CODEN: ACHUDC; ISSN: 0231-3146

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 111:133711

AB Eleven 1,3-C₆H₄(CH₂SO₂CH:CHR)₂ [I; R = (un)substituted Ph] have been prepared by condensing 1,3-Xylylenedisulfonylacetic acid with aromatic aldehydes. I had the (E,E) configuration.

IT 122590-98-1P 122590-99-2P 122591-00-8P

122591-01-9P 122591-02-0P 122591-03-1P

122591-04-2P 122591-05-3P 122591-06-4P

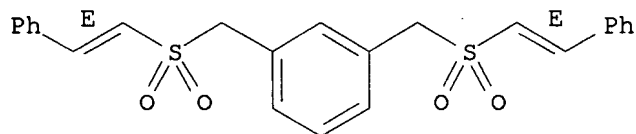
122591-07-5P 122591-08-6P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 122590-98-1 CAPLUS

CN Benzene, 1,3-bis[[2-(4-phenylethenyl)sulfonyl]methyl]-, (E,E)- (9CI) (CA INDEX NAME)

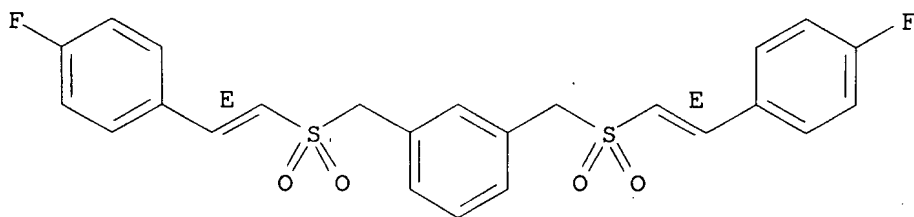
Double bond geometry as shown.



RN 122590-99-2 CAPLUS

CN Benzene, 1,3-bis[[2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-, (E,E)- (9CI) (CA INDEX NAME)

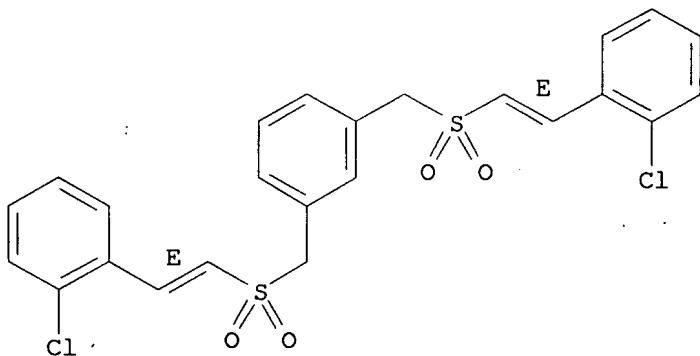
Double bond geometry as shown.



RN 122591-00-8 CAPLUS

CN Benzene, 1,3-bis[[[2-(2-chlorophenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

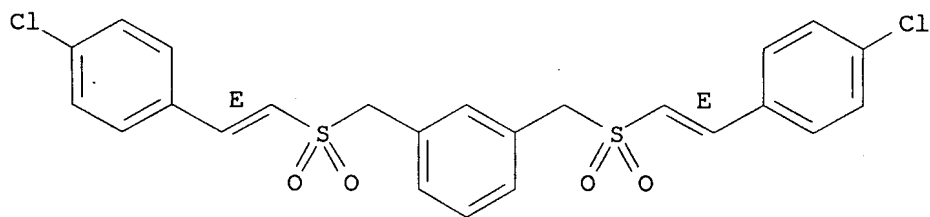
Double bond geometry as shown.



RN 122591-01-9 CAPLUS

CN Benzene, 1,3-bis[[[2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

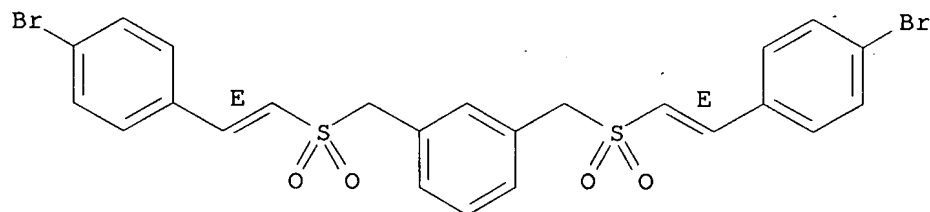
Double bond geometry as shown.



RN 122591-02-0 CAPLUS

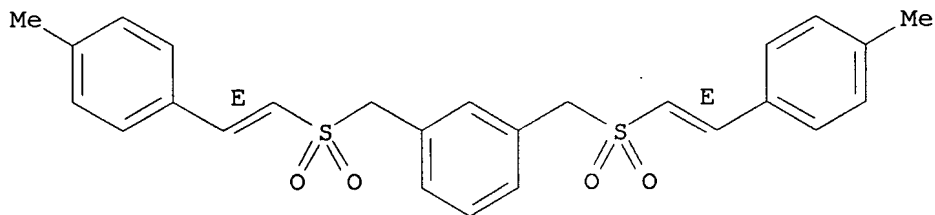
CN Benzene, 1,3-bis[[[2-(4-bromophenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



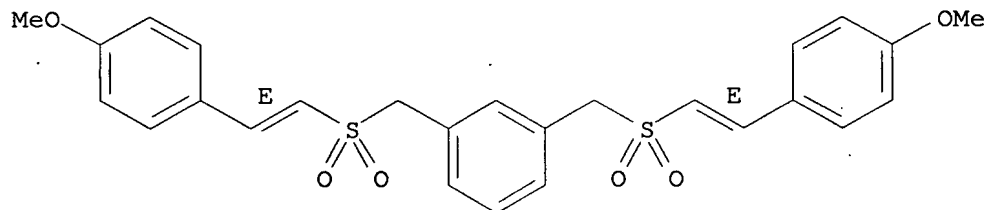
RN 122591-03-1 CAPLUS
CN Benzene, 1,3-bis[[[2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



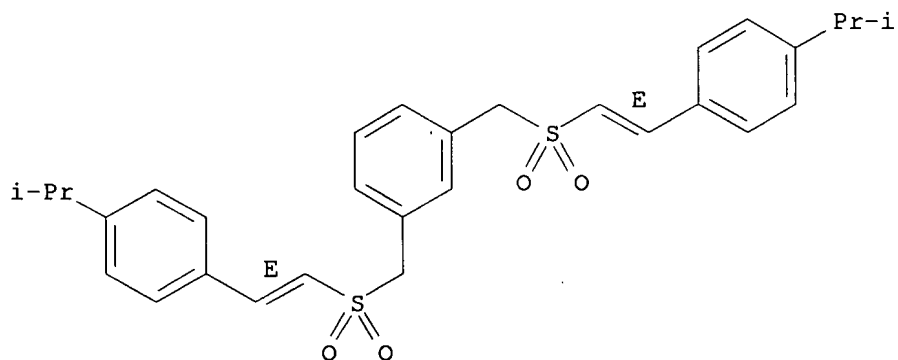
RN 122591-04-2 CAPLUS
CN Benzene, 1,3-bis[[[2-(4-methoxyphenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



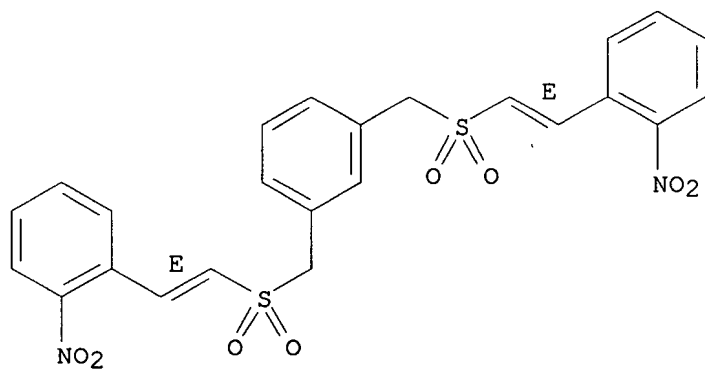
RN 122591-05-3 CAPLUS
CN Benzene, 1,3-bis[[[2-[4-(1-methylethyl)phenyl]ethenyl]sulfonyl]methyl]-, (E,E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 122591-06-4 CAPLUS
CN Benzene, 1,3-bis[[[2-(2-nitrophenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

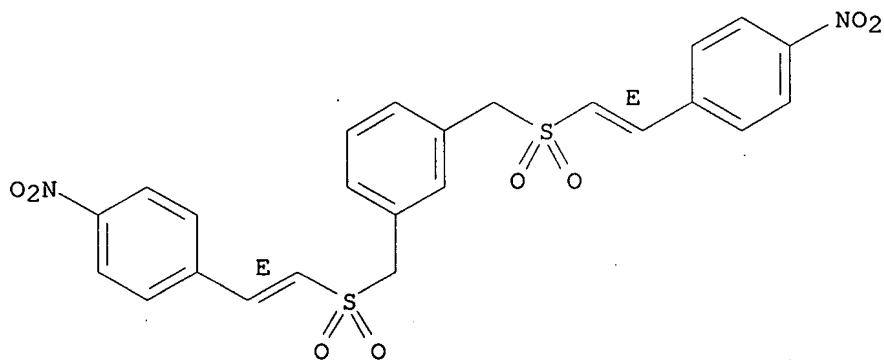
Double bond geometry as shown.



RN 122591-07-5 CAPLUS

CN Benzene, 1,3-bis[[[2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

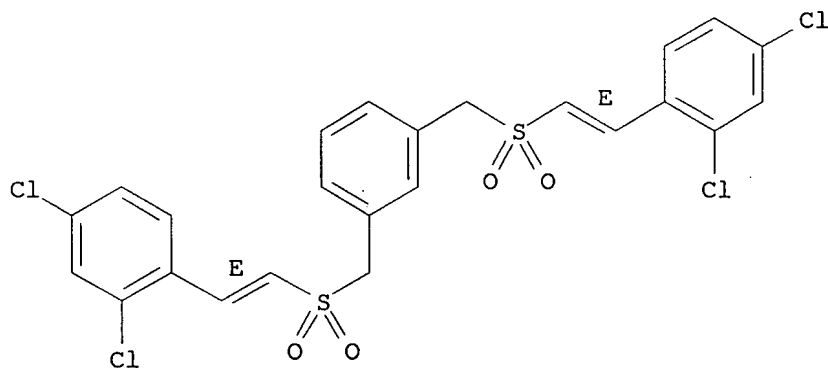
Double bond geometry as shown.



RN 122591-08-6 CAPLUS

CN Benzene, 1,3-bis[[[2-(2,4-dichlorophenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



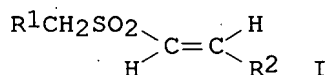
L3 ANSWER 64 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1989:74956 CAPLUS

DOCUMENT NUMBER: 110:74956

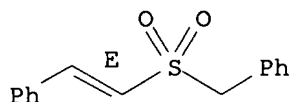
TITLE: Preparation of styryl benzyl sulfones and

1,2-bis(styrylsulfonylmethyl)-4,5-dimethylbenzenes
 AUTHOR(S): Reddy, D. Bhaskar; Reddy, N. S.; Reddy, S.; Reddy, M.
 V. R.; Balasubramanyam, S.
 CORPORATE SOURCE: Dep. Chem., Sri Venkateswara Univ., Tirupati, 517 502,
 India
 SOURCE: Organic Preparations and Procedures International
 (1988), 20(3), 205-12
 CODEN: OPPIAK; ISSN: 0030-4948
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 110:74956
 GI



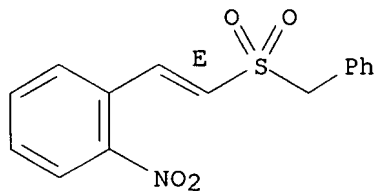
AB The Knoevenagel reaction of $\text{R}^1\text{CH}_2\text{SO}_2\text{CH}_2\text{CO}_2\text{H}$ ($\text{R}^1 = \text{Ph}$, tolyl, ClC_6H_4 , $\text{O}_2\text{NC}_6\text{H}_4$) with R^2CHO ($\text{R}^2 = \text{Ph}$, $\text{O}_2\text{NC}_6\text{H}_4$, anthryl, halophenyl, tolyl, anisyl) in HOAc containing PhCH_2NH_2 gave trans-styryl sulfones I.
 IT 32093-01-9P 118672-22-3P 118672-23-4P
 118672-24-5P 118672-25-6P 118672-26-7P
 118672-27-8P 118672-28-9P 118672-29-0P
 118672-30-3P 118672-31-4P 118672-32-5P
 118672-33-6P 118672-34-7P 118672-35-8P
 118672-36-9P 118672-37-0P 118672-38-1P
 118672-39-2P 118672-40-5P 118672-41-6P
 118672-42-7P 118672-43-8P 118672-44-9P
 118672-45-0P 118693-27-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 32093-01-9 CAPLUS
 CN Benzene, [[[1E]-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



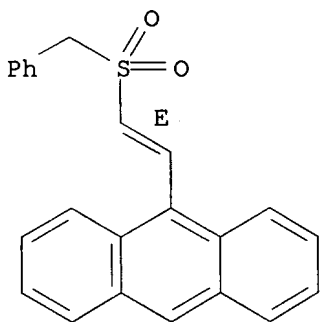
RN 118672-22-3 CAPLUS
 CN Benzene, 1-nitro-2-[2-[(phenylmethyl)sulfonyl]ethenyl]-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 118672-23-4 CAPLUS
 CN Anthracene, 9-[2-[(phenylmethyl)sulfonyl]ethenyl]-, (E)- (9CI) (CA INDEX NAME)

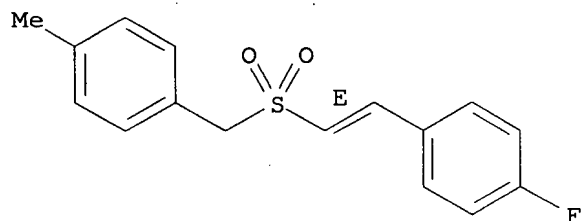
Double bond geometry as shown.



RN 118672-24-5 CAPLUS

CN Benzene, 1-fluoro-4-[(1E)-2-[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

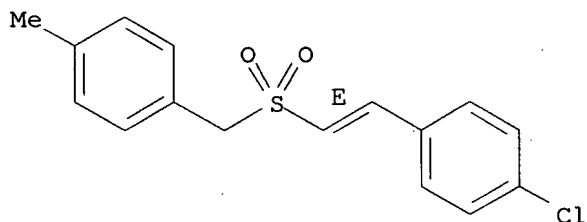
Double bond geometry as shown.



RN 118672-25-6 CAPLUS

CN Benzene, 1-chloro-4-[2-[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-, (E)-
(9CI) (CA INDEX NAME)

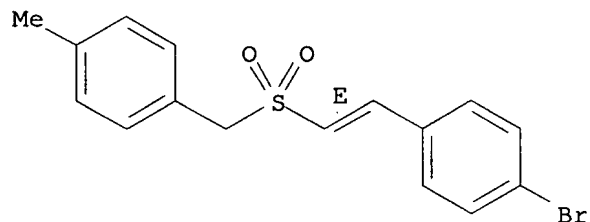
Double bond geometry as shown.



RN 118672-26-7 CAPLUS

CN Benzene, 1-bromo-4-[2-[[(4-methylphenyl)methyl]sulfonyl]ethenyl]-
(9CI) (CA INDEX NAME)

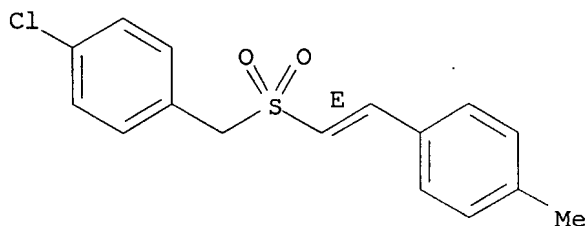
Double bond geometry as shown.



RN 118672-27-8 CAPLUS

CN Benzene, 1-chloro-4-[[[2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-, (E)-
(9CI) (CA INDEX NAME)

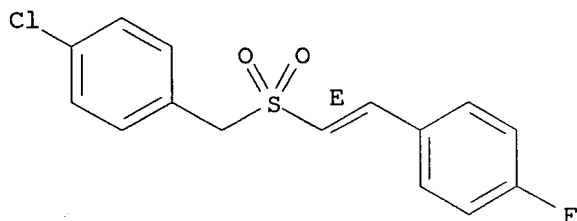
Double bond geometry as shown.



RN 118672-28-9 CAPLUS

CN Benzene, 1-chloro-4-[[[(1E)-2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

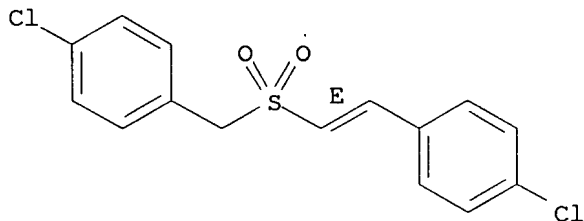
Double bond geometry as shown.



RN 118672-29-0 CAPLUS

CN Benzene, 1-chloro-4-[[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

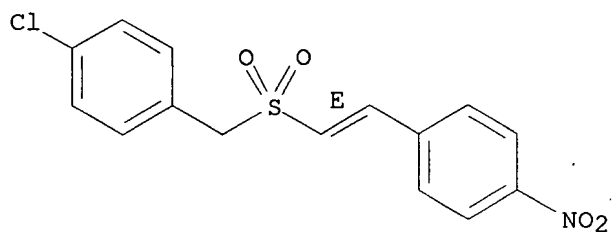
Double bond geometry as shown.



RN 118672-30-3 CAPLUS

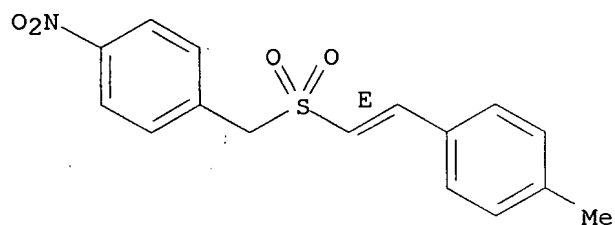
CN Benzene, 1-chloro-4-[[[(1E)-2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



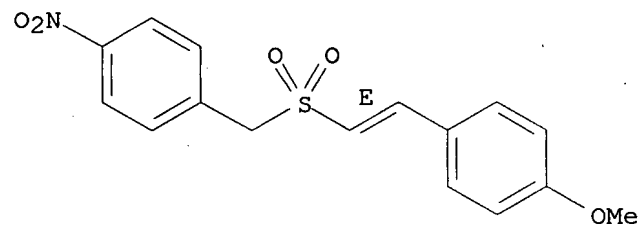
RN 118672-31-4 CAPLUS
 CN Benzene, 1-methyl-4-[2-[[(4-nitrophenyl)methyl]sulfonyl]ethenyl]-, (E)-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



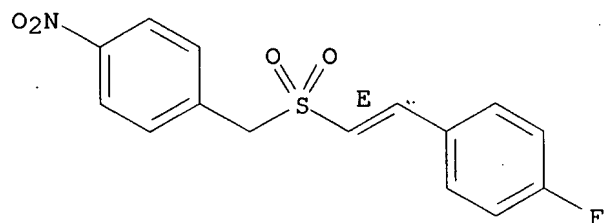
RN 118672-32-5 CAPLUS
 CN Benzene, 1-methoxy-4-[2-[[(4-nitrophenyl)methyl]sulfonyl]ethenyl]-, (E)-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



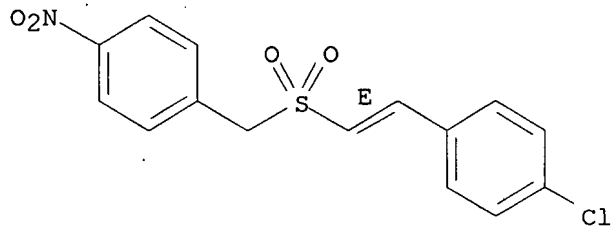
RN 118672-33-6 CAPLUS
 CN Benzene, 1-fluoro-4-[(1E)-2-[[(4-nitrophenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 118672-34-7 CAPLUS
 CN Benzene, 1-chloro-4-[(1E)-2-[[(4-nitrophenyl)methyl]sulfonyl]ethenyl]-
 (9CI) (CA INDEX NAME)

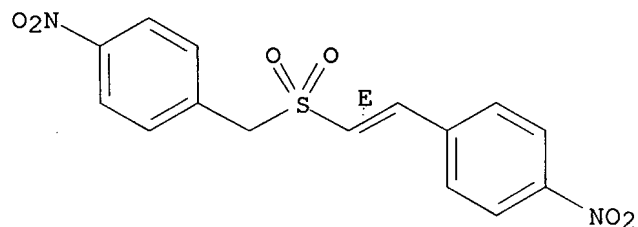
Double bond geometry as shown.



RN 118672-35-8 CAPLUS

CN Benzene, 1-nitro-4-[[[2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-, (E)-
(9CI) (CA INDEX NAME)

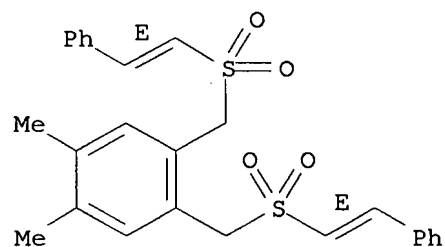
Double bond geometry as shown.



RN 118672-36-9 CAPLUS

CN Benzene, 1,2-dimethyl-4,5-bis[[[2-(phenylethenyl)sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

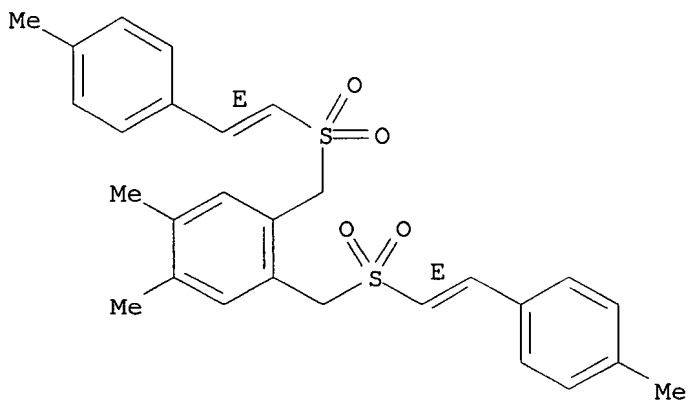
Double bond geometry as shown.



RN 118672-37-0 CAPLUS

CN Benzene, 1,2-dimethyl-4,5-bis[[[2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-
, (E,E)- (9CI) (CA INDEX NAME)

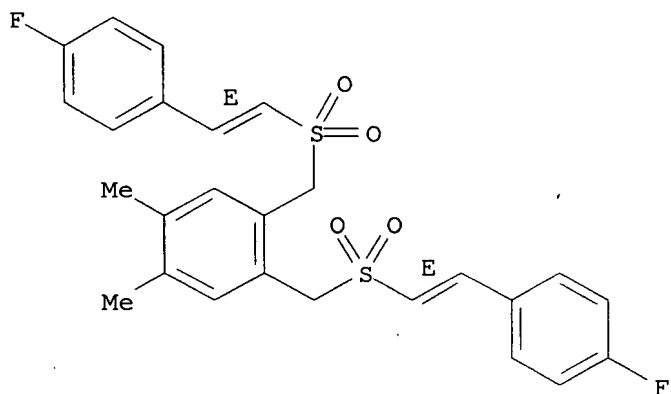
Double bond geometry as shown.



RN 118672-38-1 CAPLUS

CN Benzene, 1,2-bis[[[2-(4-fluorophenyl)ethenyl]sulfonyl]methyl]-4,5-dimethyl-, (E,E)- (9CI) (CA INDEX NAME)

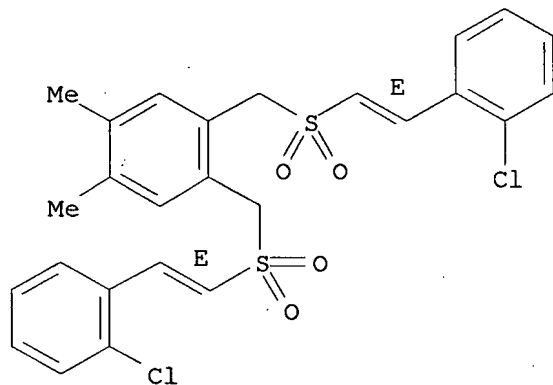
Double bond geometry as shown.



RN 118672-39-2 CAPLUS

CN Benzene, 1,2-bis[[[2-(2-chlorophenyl)ethenyl]sulfonyl]methyl]-4,5-dimethyl-, (E,E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

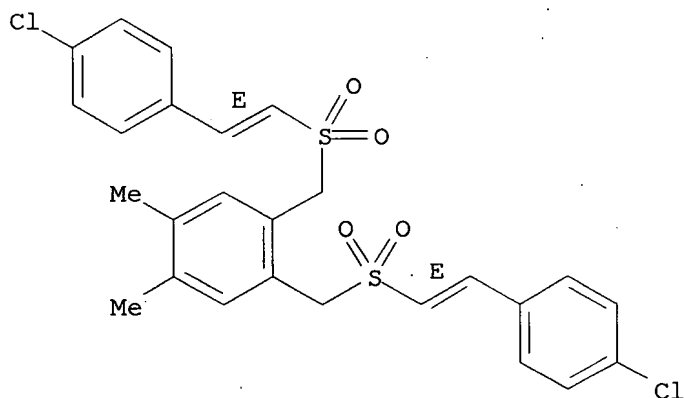


RN 118672-40-5 CAPLUS

CN Benzene, 1,2-bis[[[2-(4-chlorophenyl)ethenyl]sulfonyl]methyl]-4,5-dimethyl-

, (E,E)- (9CI) (CA INDEX NAME)

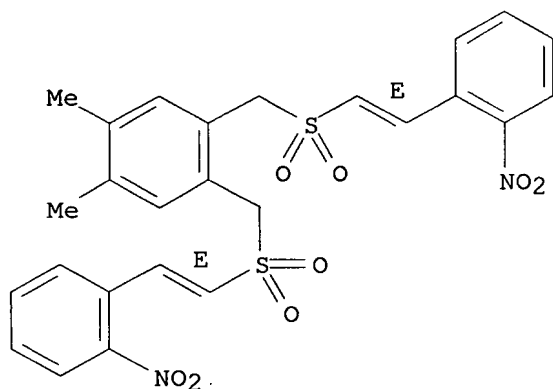
Double bond geometry as shown.



RN 118672-41-6 CAPLUS

CN Benzene, 1,2-dimethyl-4,5-bis[[[2-(2-nitrophenyl)ethenyl]sulfonyl]methyl]-
, (E,E)- (9CI) (CA INDEX NAME)

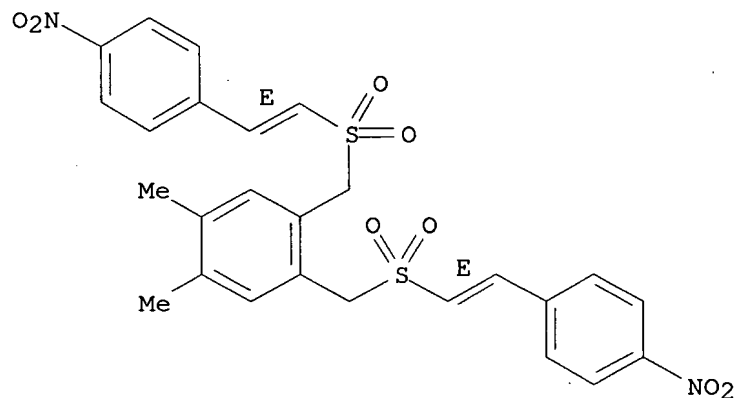
Double bond geometry as shown.



RN 118672-42-7 CAPLUS

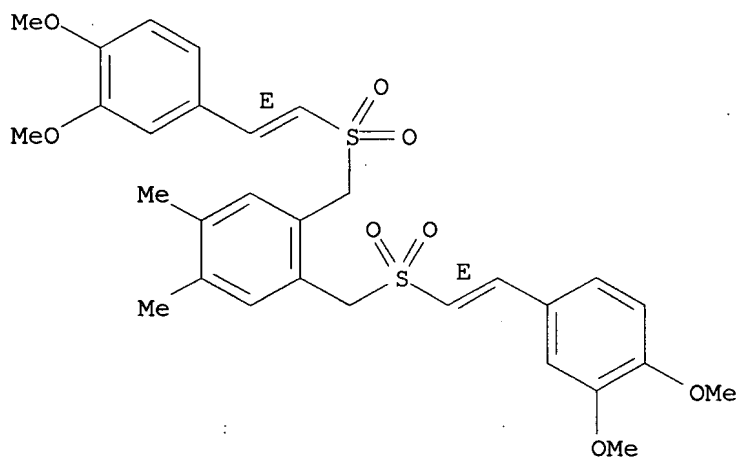
CN Benzene, 1,2-dimethyl-4,5-bis[[[2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-
, (E,E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



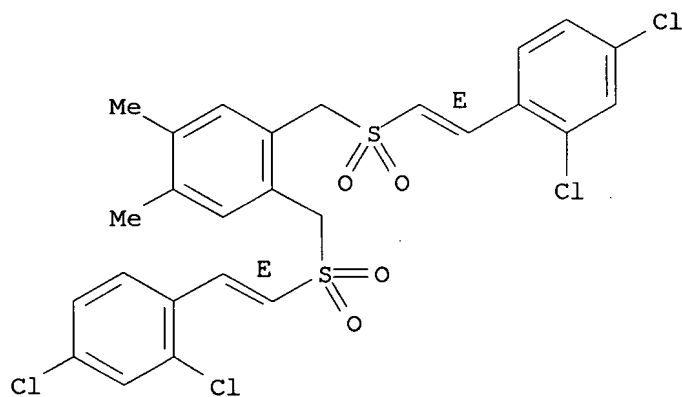
RN 118672-43-8 CAPLUS
CN Benzene, 1,2-bis[[[2-(3,4-dimethoxyphenyl)ethenyl]sulfonyl]methyl]-4,5-dimethyl-, (E,E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



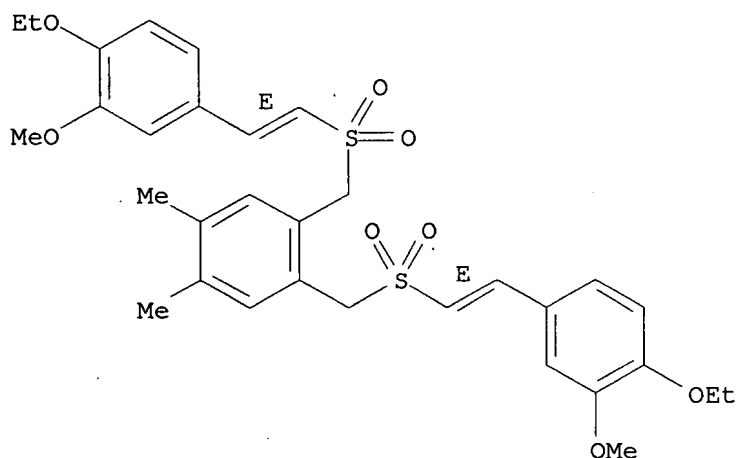
RN 118672-44-9 CAPLUS
CN Benzene, 1,2-bis[[[2-(2,4-dichlorophenyl)ethenyl]sulfonyl]methyl]-4,5-dimethyl-, (E,E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



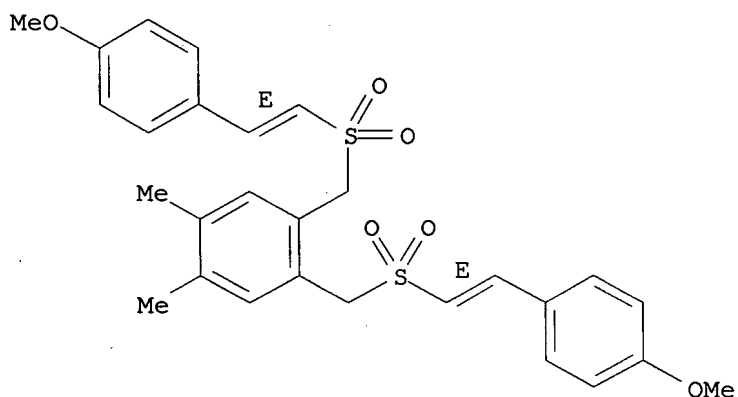
RN 118672-45-0 CAPLUS
CN Benzene, 1,2-bis[[[2-(4-ethoxy-3-methoxyphenyl)ethenyl]sulfonyl]methyl]-4,5-dimethyl-, (E,E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 118693-27-9 CAPLUS
 CN Benzene, 1,2-bis[[[2-(4-methoxyphenyl)ethenyl]sulfonyl]methyl]-4,5-dimethyl-, (E,E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



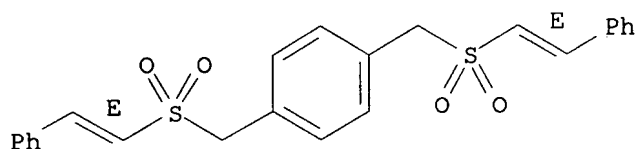
L3 ANSWER 65 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1988:74910 CAPLUS
 DOCUMENT NUMBER: 108:74910
 TITLE: Synthesis of 1,4-xylylene-bis(sulfonylstyrenes)
 AUTHOR(S): Reddy, D. Bhaskar; Reddy, M. V. R.; Reddy, N. Subba; Reddy, S.
 CORPORATE SOURCE: Dep. Chem., Sri Venkateswara Univ., Tirupati, 517 502, India
 SOURCE: Sulfur Letters (1986), 5(3), 63-9
 CODEN: SULED2; ISSN: 0278-6117
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 108:74910
 AB 1,4-(HO₂CCH₂SO₂CH₂)₂C₆H₄, prepared in 2 steps from 1,4-(ClCH₂)₂C₆H₄, condenses with 11 RCHO (e.g., R = Ph, p-FC₆H₄, o-ClC₆H₄, o-NO₂C₆H₄, 3,4-Cl₂C₆H₃) to give 72-89% (E,E)-1,4-(RCH:CHSO₂CH₂)₂C₆H₄.
 IT 112752-23-5P 112752-24-6P 112752-25-7P
 112752-26-8P 112752-27-9P 112752-28-0P
 112752-29-1P 112752-30-4P 112752-31-5P
 112752-32-6P 112766-20-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

RN 112752-23-5 CAPLUS

CN Benzene, 1,4-bis[[2-(phenylethenyl)sulfonylmethyl]-, (E,E)- (9CI) (CA INDEX NAME)

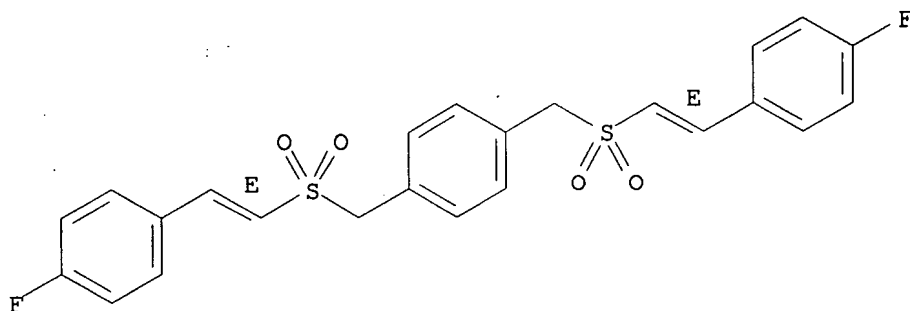
Double bond geometry as shown.



RN 112752-24-6 CAPLUS

CN Benzene, 1,4-bis[[2-(4-fluorophenyl)ethenyl]sulfonylmethyl]-, (E,E)- (9CI) (CA INDEX NAME)

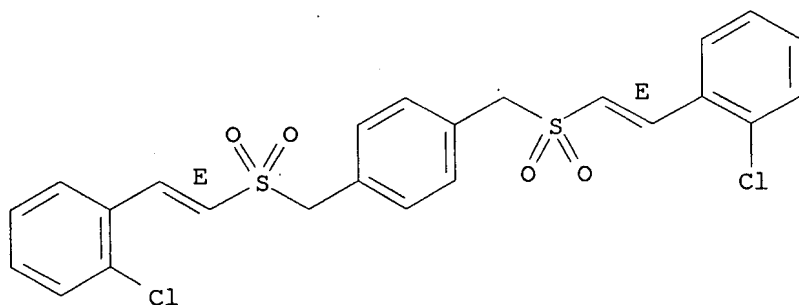
Double bond geometry as shown.



RN 112752-25-7 CAPLUS

CN Benzene, 1,4-bis[[2-(2-chlorophenyl)ethenyl]sulfonylmethyl]-, (E,E)- (9CI) (CA INDEX NAME)

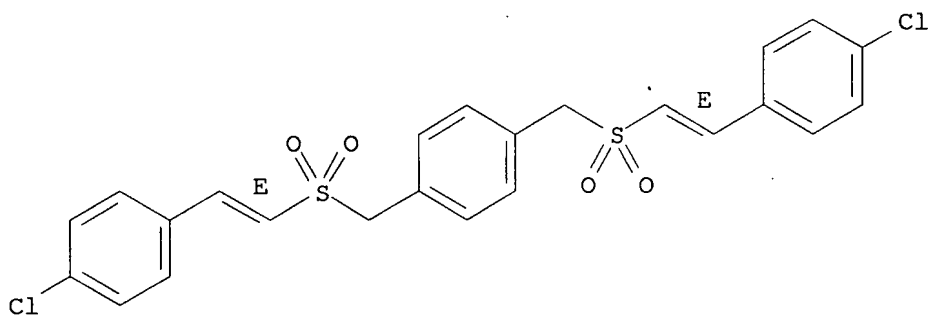
Double bond geometry as shown.



RN 112752-26-8 CAPLUS

CN Benzene, 1,4-bis[[2-(4-chlorophenyl)ethenyl]sulfonylmethyl]-, (E,E)- (9CI) (CA INDEX NAME)

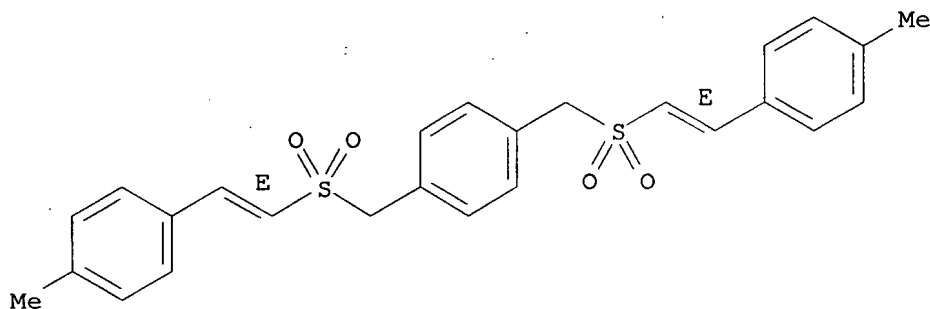
Double bond geometry as shown.



RN 112752-27-9 CAPLUS

CN Benzene, 1,4-bis[[[2-(4-methylphenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

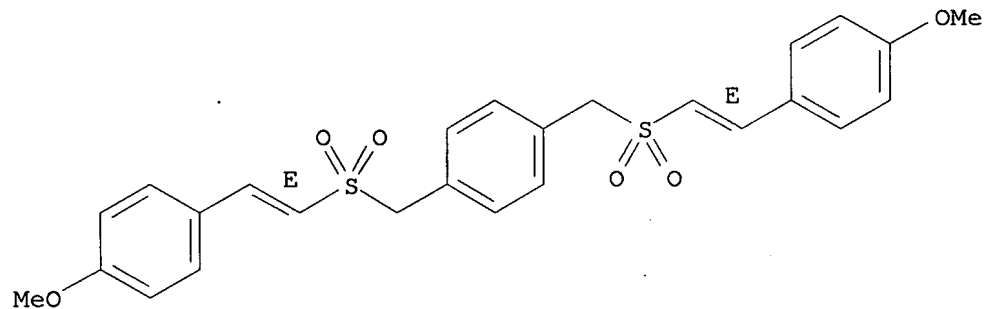
Double bond geometry as shown.



RN 112752-28-0 CAPLUS

CN Benzene, 1,4-bis[[[2-(4-methoxyphenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

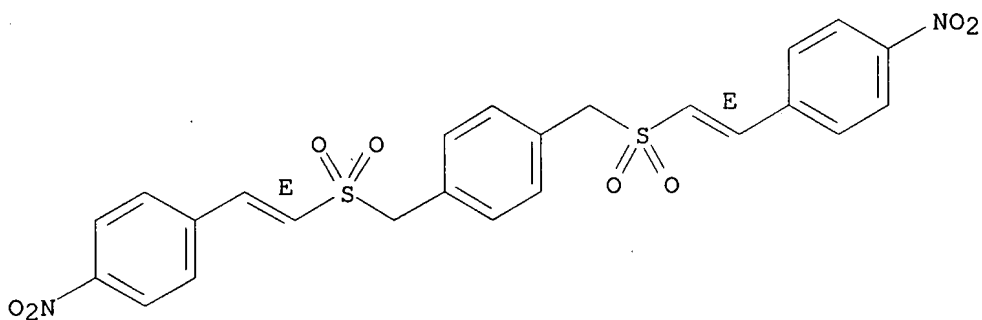
Double bond geometry as shown.



RN 112752-29-1 CAPLUS

CN Benzene, 1,4-bis[[[2-(4-nitrophenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

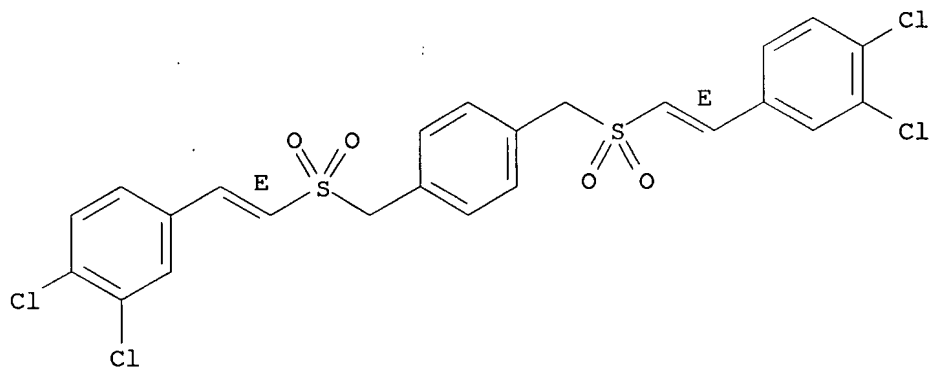
Double bond geometry as shown.



RN 112752-30-4 CAPLUS

CN Benzene, 1,4-bis[[[2-(3,4-dichlorophenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

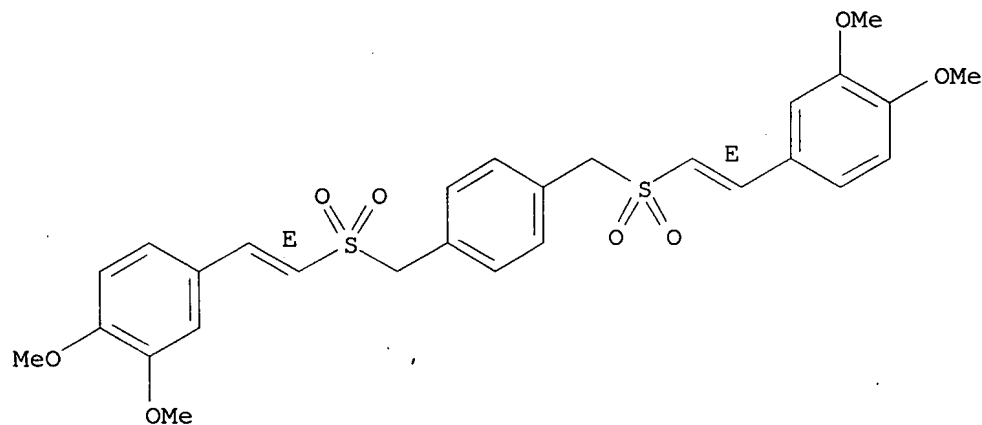
Double bond geometry as shown.



RN 112752-31-5 CAPLUS

CN Benzene, 1,4-bis[[[2-(3,4-dimethoxyphenyl)ethenyl]sulfonyl]methyl]-,
(E,E)- (9CI) (CA INDEX NAME)

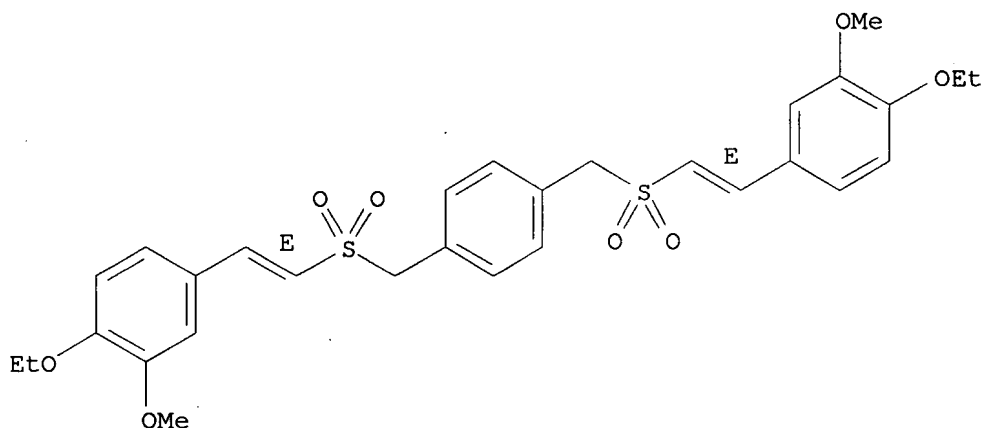
Double bond geometry as shown.



RN 112752-32-6 CAPLUS

CN Benzene, 1,4-bis[[[2-(4-ethoxy-3-methoxyphenyl)ethenyl]sulfonyl]methyl]-,
(E,E)- (9CI) (CA INDEX NAME)

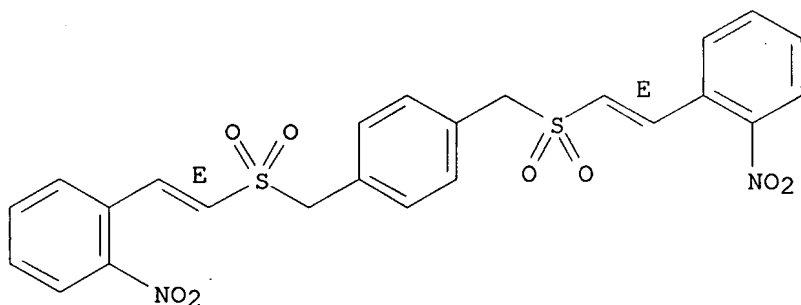
Double bond geometry as shown.



RN 112766-20-8 CAPLUS

CN Benzene, 1,4-bis[[[2-(2-nitrophenyl)ethenyl]sulfonyl]methyl]-, (E,E)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 66 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1986:88389 CAPLUS

DOCUMENT NUMBER: 104:88389

TITLE: Stereospecific cyclizations of substituted
 α' -lithiated $\alpha(Z),\gamma$ -butadienyl
sulfoxides

AUTHOR(S): Reglier, Marius; Julia, Sylvestre A.

CORPORATE SOURCE: Lab. Chim., Ec. Norm. Super., Paris, 75231, Fr.

SOURCE: Tetrahedron Letters (1985), 26(22), 2655-8

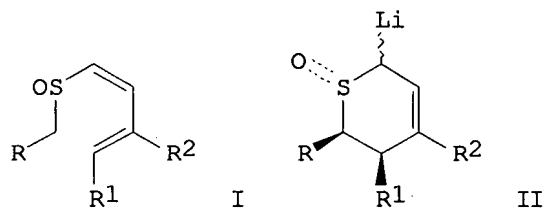
CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 104:88389

GI



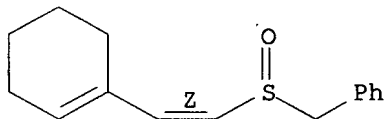
AB The title compds. I [R = Ph, Me₂C:CH, R₁ = H, R₂ = Me; R = Ph, R₁R₂ = (CH₂)₄] were prepared and converted stereospecifically to the lithiated cyclic sulfoxides I through a concerted disrotatory electrocyclization.

IT 100420-61-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and lithiation-stereoselective cyclization of)

RN 100420-61-9 CAPLUS

CN Benzene, [[[2-(1-cyclohexen-1-yl)ethenyl]sulfinyl]methyl]-, (Z)- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.

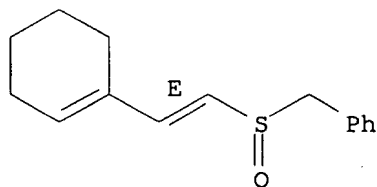


IT 100420-70-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 100420-70-0 CAPLUS

CN Benzene, [[[2-(1-cyclohexen-1-yl)ethenyl]sulfinyl]methyl]-, (E)- (9CI)
 (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 67 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1985:5286 CAPLUS

DOCUMENT NUMBER: 102:5286

TITLE: Desulfonylation of arylmethanesulfonyl chlorides catalyzed by dichlorotris(triphenylphosphine)ruthenium (II)

AUTHOR(S): Kamigata, Nobumasa; Suzuki, Norihiro; Kobayashi, Michio

CORPORATE SOURCE: Fac. Sci., Tokyo Metrop. Univ., Setagaya, 158, Japan

SOURCE: Phosphorus and Sulfur and the Related Elements (1984), 20(2), 139-44
 CODEN: PREEDF; ISSN: 0308-664X

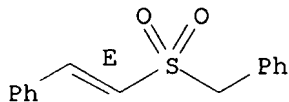
DOCUMENT TYPE: Journal

LANGUAGE: English

AB The title reaction gave chloromethylarenes in high yields. No addition of the sulfonyl chloride to olefin was observed when the reaction was carried out in the presence of an equimolar amount of an olefin such as styrene. However, the rate of disappearance of the sulfonyl chloride was accelerated by addition of an olefin. The desulfonylation is assumed to proceed by a redox transfer promoted homolytic mechanism in the coordination sphere of the catalyst. In the presence of a large excess of styrenes, arylmethanesulfonyl chlorides added to the olefins to give 1:1 adducts competitively with the desulfonylation yielding chloromethylarenes.

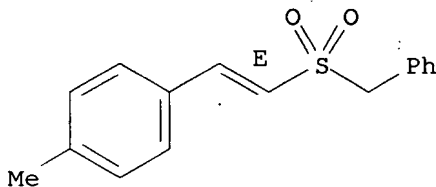
IT 32093-01-9P 93468-06-5P 93468-07-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 32093-01-9 CAPLUS
CN Benzene, [[[1E)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



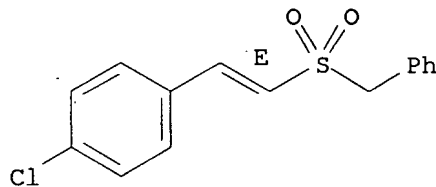
RN 93468-06-5 CAPLUS
CN Benzene, 1-methyl-4-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 93468-07-6 CAPLUS
CN Benzene, 1-chloro-4-[(1E)-2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



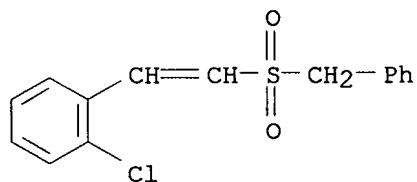
L3 ANSWER 68 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1984:423063 CAPLUS
DOCUMENT NUMBER: 101:23063
TITLE: Synthesis of α,β -unsaturated sulfones
AUTHOR(S): Reddy, M. V. R.; Reddy, S.
CORPORATE SOURCE: Chem. Lab., K.S.R.M. Coll. Eng., Cuddapah, 516 001, India
SOURCE: Acta Chimica Hungarica (1984), 115(3), 269-71
CODEN: ACHUDC; ISSN: 0231-3146
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 101:23063
AB Eleven benzyl styryl sulfones, $\text{PhCH}_2\text{SO}_2\text{CH:CHR}$ (R = substituted Ph), were prepared in 62.5-89.2% yield by condensation of RCHO with $\text{PhCH}_2\text{SO}_2\text{CH}_2\text{CO}_2\text{H}$, prepared by benzylation of $\text{HSCH}_2\text{CO}_2\text{H}$ followed by oxidation with H_2O_2 .
IT 90616-41-4P 90616-42-5P 90616-43-6P
90616-44-7P 90616-45-8P 90616-46-9P
90616-47-0P 90616-48-1P 90616-49-2P

90616-50-5P 90616-51-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation, IR, and NMR spectra of)

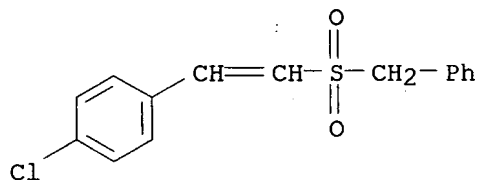
RN 90616-41-4 CAPLUS

CN Benzene, 1-chloro-2-[2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)



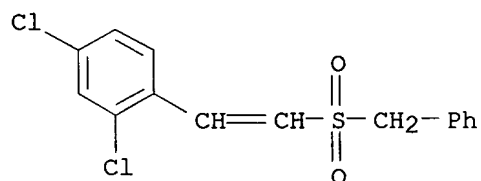
RN 90616-42-5 CAPLUS

CN Benzene, 1-chloro-4-[2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)



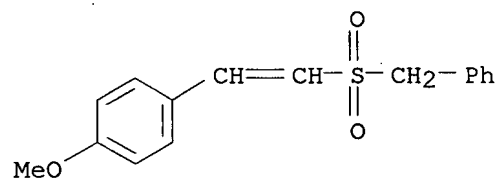
RN 90616-43-6 CAPLUS

CN Benzene, 2,4-dichloro-1-[2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)



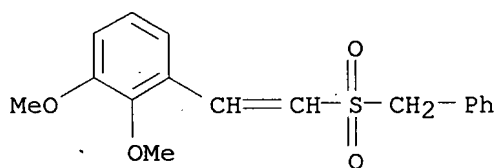
RN 90616-44-7 CAPLUS

CN Benzene, 1-methoxy-4-[2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)



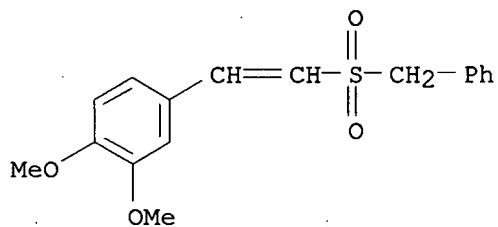
RN 90616-45-8 CAPLUS

CN Benzene, 1,2-dimethoxy-3-[2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)



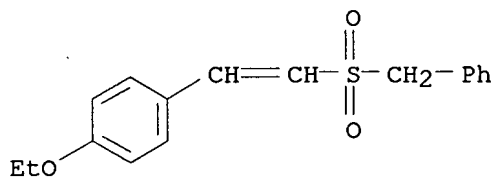
RN 90616-46-9 CAPLUS

CN Benzene, 1,2-dimethoxy-4-[2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)



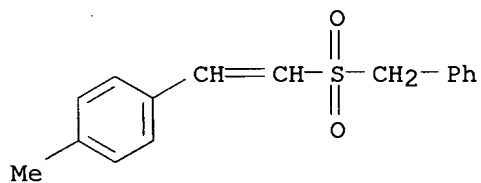
RN 90616-47-0 CAPLUS

CN Benzene, 1-ethoxy-4-[2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)



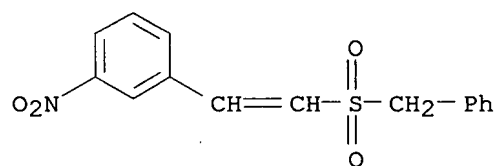
RN 90616-48-1 CAPLUS

CN Benzene, 1-methyl-4-[2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)

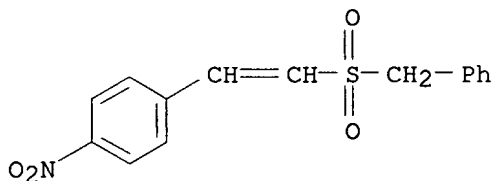


RN 90616-49-2 CAPLUS

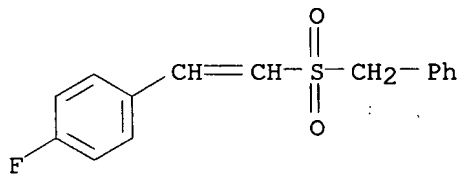
CN Benzene, 1-nitro-3-[2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)



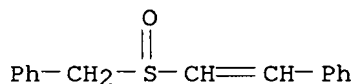
RN 90616-50-5 CAPLUS
 CN Benzene, 1-nitro-4-[2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)



RN 90616-51-6 CAPLUS
 CN Benzene, 1-fluoro-4-[2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)



L3 ANSWER 69 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1984:67936 CAPLUS
 DOCUMENT NUMBER: 100:67936
 TITLE: Sodium bromite: a new selective reagent for the oxidation of sulfides and alcohols
 AUTHOR(S): Kageyama, Toshifumi; Ueno, Yoshio; Okawara, Makoto
 CORPORATE SOURCE: Fac. Eng., Kanto Gakuin Univ., Yokohama, 236, Japan
 SOURCE: Synthesis (1983), (10), 815-16
 CODEN: SYNTBF; ISSN: 0039-7881
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 100:67936
 AB Oxidation of 8 RSR1 (R = Ph, Bu, p-tolyl, styryl, 2-hydroxycyclohexanol, R1 = Ph, Bu, PhCH2, p-tolyl, allyl, morpholino) with NaBrO2 in aqueous dioxane gave 78-97% RS(O)R1. Similarly RCH(OH)R1 [R = Me, R1 = (CH2)4Me, HOCH2CH2; RR1 = (CH2)n, n = 4-6] gave 82-100% RCOR1.
 IT 88584-31-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, by oxidation of the sulfide by sodium bromite)
 RN 88584-31-0 CAPLUS
 CN Benzene, [[(2-phenylethenyl)sulfinyl]methyl]- (9CI) (CA INDEX NAME)



L3 ANSWER 70 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1983:125701 CAPLUS
 DOCUMENT NUMBER: 98:125701
 TITLE: Synthesis of the thienamycin nucleus: a synthesis of (±)-diethyl 3-benzylthio-7-oxo-1-azabicyclo[3.2.0]hept-3-ene-2,2-bis(carboxylate)
 AUTHOR(S): Shiozaki, Masao; Ishida, Noboru; Hiraoka, Tetsuo

CORPORATE SOURCE:

SOURCE:

Chem. Res. Lab., Sankyo Co., Ltd., Tokyo, 140, Japan
Chemical & Pharmaceutical Bulletin (1982), 30(10),
3624-31

CODEN: CPBTAL; ISSN: 0009-2363

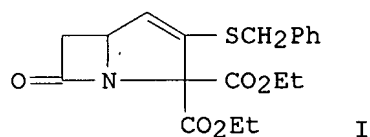
DOCUMENT TYPE:

LANGUAGE:

GI

Journal

English



AB The title compound (I) was prepared from $\text{H}_2\text{NCH}(\text{CO}_2\text{Et})_2$ and $\text{BrCH}_2\text{CO}_2\text{Et}$ in 15 steps.

IT 84691-96-3P 84691-97-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

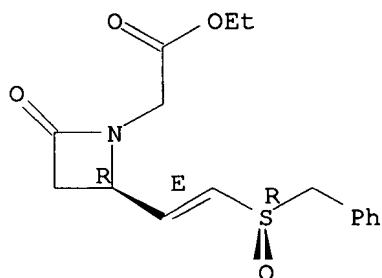
(preparation and deoxygenation of)

RN 84691-96-3 CAPLUS

CN 1-Azetidineacetic acid, 2-oxo-4-[2-[(phenylmethyl)sulfinyl]ethenyl]-, ethyl ester, $[\text{R}^*, \text{R}^*-(\text{E})]$ - (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

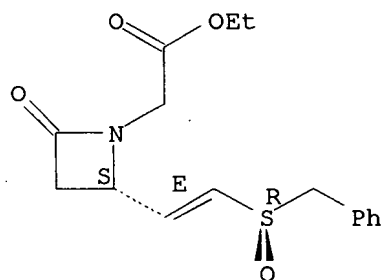


RN 84691-97-4 CAPLUS

CN 1-Azetidineacetic acid, 2-oxo-4-[2-[(phenylmethyl)sulfinyl]ethenyl]-, ethyl ester, $[\text{R}^*, \text{S}^*-(\text{E})]$ - (9CI) (CA INDEX NAME)

Relative stereochemistry.

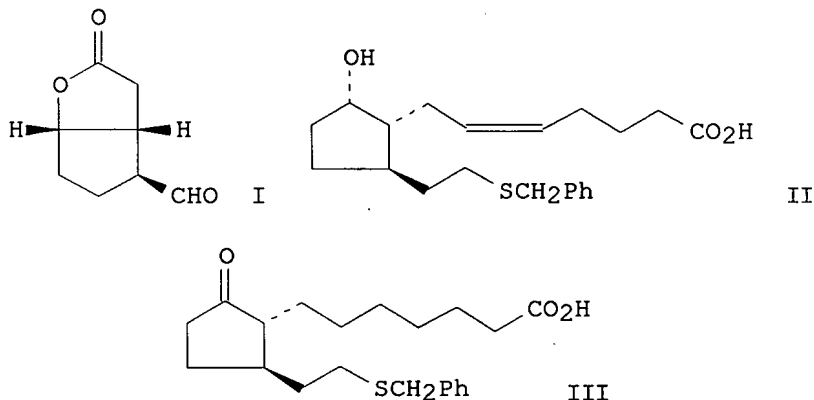
Double bond geometry as shown.



ACCESSION NUMBER: 1978:529116 CAPLUS
 DOCUMENT NUMBER: 89:129116
 TITLE: 11-Desoxy-15-thiaprostaglandins
 INVENTOR(S): Plattner, Jacob J.
 PATENT ASSIGNEE(S): Pfizer Inc., USA
 SOURCE: U.S., 12 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4092349	A	19780530	US 1976-740381	19761110
US 4129728	A	19781212	US 1978-868503	19780111
US 4148804	A	19790410	US 1978-919849	19780628
US 4169849	A	19791002	US 1978-955492	19781027
PRIORITY APPLN. INFO.:			US 1976-740381	A3 19761110
			US 1978-868503	A3 19780111

OTHER SOURCE(S): MARPAT 89:129116
 GI



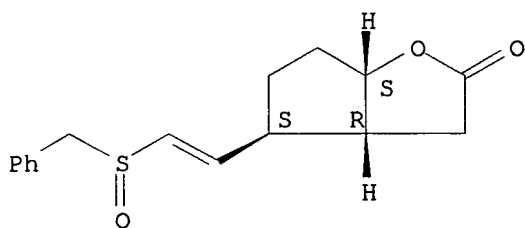
AB 11-Deoxy-15-deoxy-15-thiaprostaglandins of the E and F zero and 1 series were prepared. Thus, I was treated with $\text{PhCH}_2\text{S(O)CH}_2\text{P(O)(OEt)}_2$, the product hydrogenated to saturate the side chain, reduced to the lactol with $(\text{Me}_2\text{CHCH}_2)_2\text{AlH}$, and condensed with, e.g., $\text{HO}_2\text{C}(\text{CH}_2)_3\text{PH}_3\text{Br}$ to give II, which was converted into several other derivs., e.g., III.

IT 67647-35-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and hydrogenation of)

RN 67647-35-2 CAPLUS

CN 2H-Cyclopenta[b]furan-2-one, hexahydro-4-[2-[(phenylmethyl)sulfinyl]ethenyl]-, [3aR-(3a α ,4 α ,6a α)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



L3 ANSWER 72 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1978:59266 CAPLUS

DOCUMENT NUMBER: 88:59266

TITLE: Structure-activity study of S-1358 and its derivatives. Part II. Structure modifications of S-n-butyl S'-p-tert-butylbenzyl N-3-pyridyldithiocarbonimide (S-1358, Denmert) and fungicidal activities

AUTHOR(S): Tanaka, Shizuya; Kato, Toshiro; Yamamoto, Shigeo; Yoshioka, Hirosuke

CORPORATE SOURCE: Pestic. Div., Sumitomo Chem. Co., Ltd., Takarazuka, Japan

SOURCE: Agricultural and Biological Chemistry (1977), 41(10), 1953-9

CODEN: ABCHA6; ISSN: 0002-1369

DOCUMENT TYPE: Journal

LANGUAGE: English

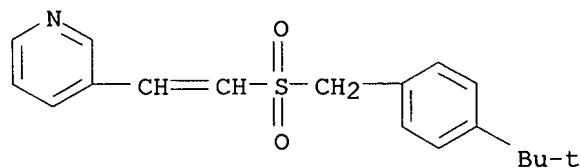
AB Structural modifications of S-n-Bu S'-p-tert-butylbenzyl N-3-pyridyldithiocarbonimide [51308-54-4], potent fungicide to powdery mildew, and inhibitor of ergosterol biosynthesis in *Monilinia fructigena* were studied utilizing 24 compds. having other substituents than the 3-pyridyl and on 24 compds. having a variety of different structures connecting the 3-pyridyl and the p-tert-butylphenyl group from that of the dithiocarbonimide against the aforementioned biol. activities. In the former group the 3-pyridyl group was essential for the activities and the substitution at the 2- or 6-position resulted, on available data, in inactive compds. Several other β -N-heterocyclic analogs were also active. In the latter group, a number of modified compds. from the dithiocarbonimide structure were shown to be active. Preparative data is given.

IT 65413-22-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and fungicidal activities of)

RN 65413-22-1 CAPLUS

CN Pyridine, 3-[2-[[[4-(1,1-dimethylethyl)phenyl]methyl]sulfonyl]ethenyl]-(9CI) (CA INDEX NAME)



L3 ANSWER 73 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1976:559581 CAPLUS

DOCUMENT NUMBER: 85:159581
 TITLE: Styrylsulfonylation of conjugated nitroalkenes
 AUTHOR(S): Aleksiev, D.
 CORPORATE SOURCE: Higher Inst. Chem.-Technol. A. Zlatarov, Sofia, Bulg.
 SOURCE: Vestsi Akademii Navuk BSSR, Seryya Khimichnykh Navuk
 (1976), (4), 123
 CODEN: VBSKAK; ISSN: 0002-3590

DOCUMENT TYPE: Journal

LANGUAGE: Russian

AB PhCH:CHSO₂CH(R)CH₂NO₂ (R = Ph, p-tolyl, p-MeOC₆H₄, m-O₂NC₆H₄) were prepared in 60-80% yield by reaction of PhCH:CHSO₂H with RCH:CHNO₂.

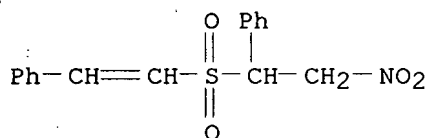
IT 61150-79-6P 61150-80-9P 61150-81-0P

61150-82-1P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

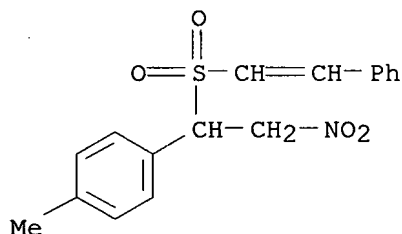
RN 61150-79-6 CAPLUS

CN Benzene, [2-nitro-1-[(2-phenylethenyl)sulfonyl]ethyl]- (9CI) (CA INDEX NAME)



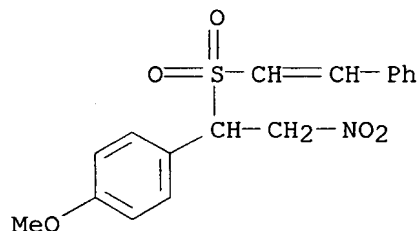
RN 61150-80-9 CAPLUS

CN Benzene, 1-methyl-4-[2-nitro-1-[(2-phenylethenyl)sulfonyl]ethyl]- (9CI)
 (CA INDEX NAME)



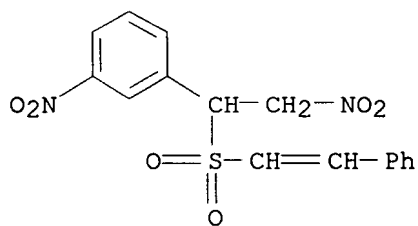
RN 61150-81-0 CAPLUS

CN Benzene, 1-methoxy-4-[2-nitro-1-[(2-phenylethenyl)sulfonyl]ethyl]- (9CI)
 (CA INDEX NAME)

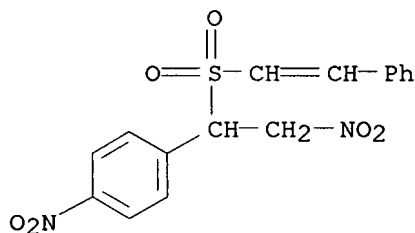


RN 61150-82-1 CAPLUS

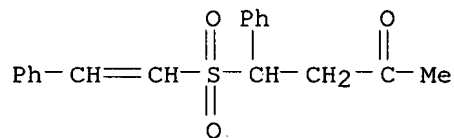
CN Benzene, 1-nitro-3-[2-nitro-1-[(2-phenylethenyl)sulfonyl]ethyl]- (9CI)
 (CA INDEX NAME)



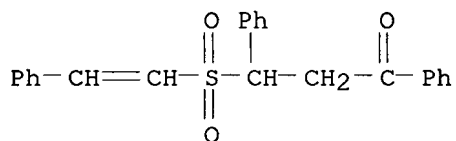
L3 ANSWER 74 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1976:420755 CAPLUS
 DOCUMENT NUMBER: 85:20755
 TITLE: Styrylsulfonylation of heteroconjugated alkenes
 AUTHOR(S): Aleksiev, D.
 CORPORATE SOURCE: Higher Inst. Chem.-Technol., Sofia, Bulg.
 SOURCE: Zhurnal Organicheskoi Khimii (1976), 12(4), 906-7
 CODEN: ZORKAE; ISSN: 0514-7492
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 OTHER SOURCE(S): CASREACT 85:20755
 AB Reactions of PhCH:CHSO₂H with RCRR1:CHY (R, R1, Y given; H, H, CN; H, p-O₂NC₆H₄, O₂N; Me, Me, Ac; Me, Ph, Ac; H, Ph, Ac) gave 52-92% PhCH:CHSO₂CR₁CH₂Y.
 IT 59548-27-5P 59548-29-7P 59548-30-0P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 59548-27-5 CAPLUS
 CN Benzene, 1-nitro-4-[2-nitro-1-[(2-phenylethenyl)sulfonyl]ethyl]- (9CI) (CA INDEX NAME)



RN 59548-29-7 CAPLUS
 CN 2-Butanone, 4-phenyl-4-[(2-phenylethenyl)sulfonyl]- (9CI) (CA INDEX NAME)



RN 59548-30-0 CAPLUS
 CN 1-Propanone, 1,3-diphenyl-3-[(2-phenylethenyl)sulfonyl]- (9CI) (CA INDEX NAME)



L3 ANSWER 75 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1976:405316 CAPLUS

DOCUMENT NUMBER: 85:5316

TITLE: Nucleophilic addition of styrenesulfinic acid to α -haloacrylonitriles and β -halogen- β -nitroalkenes

AUTHOR(S): Aleksiev, D.

CORPORATE SOURCE: Higher Inst. Chem.-Technol., Sofia, Bulg.

SOURCE: Zhurnal Organicheskoi Khimii (1976), 12(4), 907-8
CODEN: ZORKAE; ISSN: 0514-7492

DOCUMENT TYPE: Journal

LANGUAGE: Russian

OTHER SOURCE(S): CASREACT 85:5316

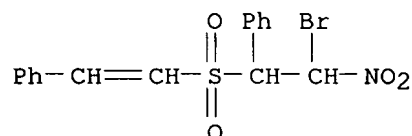
AB Reaction of PhCH:CHSO₂H with α -chloro(or bromo)acrylonitriles or with a series of β -bromo- β -nitroalkenes gave 62% yield of sulfones PhCH:CHSO₂CHRCHXY (R = Ph, X = Br, Y = NO₂) or 27-76% yield of sulfones PhCH:CHSO₂CR:CHY (R, Y given; H, CN; p-O₂NC₆H₄, NO₂; m-O₂NC₆H₄, NO₂), resp.

IT 59409-35-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 59409-35-7 CAPLUS

CN Benzene, [2-[(2-bromo-2-nitro-1-phenylethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)



L3 ANSWER 76 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1971:463306 CAPLUS

DOCUMENT NUMBER: 75:63306

TITLE: Products of the reaction of benzylsulfonylacetic acid with benzaldehyde and salicylaldehyde

AUTHOR(S): Larsson, E.

CORPORATE SOURCE: Chem. Inst., Univ. Lund, Lund, Swed.

SOURCE: Tetrahedron (1971), 27(12), 2553-6

CODEN: TETRAB; ISSN: 0040-4020

DOCUMENT TYPE: Journal

LANGUAGE: German

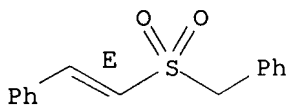
AB Me benzyl sulfone, m. 128°, and benzyl ω -styryl sulfone (I), m. 145°, were obtained in several ways from benzylsulfonylacetic acid and BzH. The Et ester of benzylsulfonylacetic acid (II) and BzH gave the Et ester of α -benzylsulfonylcinnamic acid. 3-Benzylsulfonylcoumarin, m. 175°, was obtained from II and salicylaldehyde. I has trans-configuration.

IT 32093-01-9P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and spectra of)

RN 32093-01-9 CAPLUS
CN Benzene, [[[(1E)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 77 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1971:405393 CAPLUS
DOCUMENT NUMBER: 75:5393
TITLE: Preparation and absorption spectra of some cis- and trans- $\alpha\beta$ -unsaturated sulfides and sulfones
AUTHOR(S): Baliah, V.; Rathinasamy, T. K.
CORPORATE SOURCE: Dep. Chem., Annamalai Univ., Annamalainagar, India
SOURCE: Indian Journal of Chemistry (1971), 9(3), 220-5
CODEN: IJOCAP; ISSN: 0019-5103
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Aryl trans-styryl sulfides were prepared by the reaction of trans- β -bromostyrene with RNa (R = aryl). Oxidation of the sulfides gave the corresponding sulfones. These aryl trans-styryl sulfones were also obtained by the condensation of arylsulfonylacetic acids with benzaldehyde. Addition of thiophenols to arylacetylenes gave the cis, trans, or a mixture of both the $\alpha\beta$ -unsatd. sulfides depending upon the exptl. conditions. In alkaline medium only the cis-sulfides were formed. In an inert solvent or in the absence of a solvent a mixture of the 2 isomers were formed. In alkaline medium the addition proceeded by an ionic mechanism, in neutral medium it occurred by both a free radical and an ionic mechanism. The IR and UV spectra of the unsatd. sulfides and sulfones was discussed.

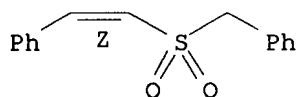
IT 32291-81-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 32291-81-9 CAPLUS

CN Benzene, [[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 78 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1971:63788 CAPLUS
DOCUMENT NUMBER: 74:63788
TITLE: Cyclic sulfones. X. Kinetic evidence for the aromatic character of anions derived from benzo- and dibenzothioipyran S,S-dioxide systems
AUTHOR(S): Pagani, Giorgio; Bradamante Pagani, Silvia; Maiorana, Stefano; Mangia, A.
CORPORATE SOURCE: Inst. Chim. Ind., Univ. Milano, Milan, Italy
SOURCE: Journal of the Chemical Society [Section] B: Physical Organic (1971), (1), 74-8
CODEN: JCSPAC; ISSN: 0045-6470
DOCUMENT TYPE: Journal
LANGUAGE: English

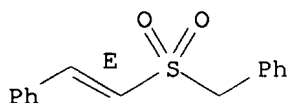
AB Kinetic acidities of benzo- and dibenzothiopyran S,S-dioxides of some Me derivs., and of the corresponding open-chain analogs were determined in [2H5]pyridine-heavy water. The 2 pairs of isomers show similar kinetic acidities and their D-exchange rates exceed those of the open-chain analogs by a factor of 103-105. Other stabilizing features being common in the two series, the greater stability of the cyclic anions must be associated with their cyclic unsatd. nature. To account for the magnitude of the effect, it is suggested that the conjugative stabilization developing in the anions is aromatic in character.

IT 32093-01-9
 RL: PRP (Properties)
 (hydrogen exchange with deuterium in, kinetics of)

RN 32093-01-9 CAPLUS

CN Benzene, [[[1E)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 79 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1968:451906 CAPLUS

DOCUMENT NUMBER: 69:51906

TITLE: Unsaturated heterocyclic systems. XL. Evaluation of spiro[9,10-ethanoanthracene-11,2'-thietane] S,S-dioxides and 2 α -dialkylaminoalkyl-3-dialkylaminothietane 1,1-dioxides as precursors of 2-methylenethiete 1,1-dioxide derivatives

AUTHOR(S): Paquette, Leo A.; Rosen, Melvin; Stucki, Heinz

CORPORATE SOURCE: Ohio State Univ., Columbus, OH, USA

SOURCE: Journal of Organic Chemistry (1968), 33(8), 3020-7
 CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 69:51906

GI For diagram(s), see printed CA Issue.

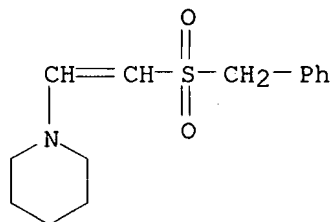
AB Three synthetic approaches to the highly strained 2-methylenethiete 1,1-dioxide (I) ring system were evaluated. The retro-Diels-Alder route wherein the 9,10-ethanoanthracene moiety was employed as a blocking group for the exocyclic double bond met with failure when it was recognized that the temperatures required to liberate anthracene were well above those at which the desired tetravalent sulfur heterocycles decomposed. The Hofmann degradation approach suffered from the fact that 2 α -dialkylaminoalkyl-3-dialkylaminoethietane 1,1-dioxides displayed a propensity for ring cleavage when treated with MeI. Two intermediate methiodides could, however, be isolated. When subjected in turn to the conditions of Hofmann elimination, these methiodides were especially prone to demethylation. Alternatively, N-oxide degradation of 2 α -dialkylaminothietane 1,1-dioxides, although not an entirely general procedure, gave rise to 2 methylenethiete dioxides. Pertinent mechanistic implications of the above reactions and the phys. and spectral properties of the title sulfones were presented in some detail. 28 references.

IT 16790-87-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 16790-87-7 CAPLUS

CN Piperidine, 1-[2-(benzylsulfonyl)vinyl]- (8CI) (CA INDEX NAME)



L3 ANSWER 80 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1963:428075 CAPLUS

DOCUMENT NUMBER: 59:28075

ORIGINAL REFERENCE NO.: 59:5004b-c

TITLE: Transfer reactions involving boron. III. Hydroboration studies with enethiol ethers

AUTHOR(S): Pasto, D. J.; Miesel, J. L.

CORPORATE SOURCE: Univ. of Notre Dame, Notre Dame, IN

SOURCE: J. Am. Soc. Soc. (1963), 85(14), 2118-24

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB cf. CA 58, 12444a. A new rearrangement reaction of unstable substituted organoboranes is reported. Hydroboration of enethiol ethers gives both possible substituted organoboranes in which H and C undergo an intermol. transfer from B to C with the sulfur residue migrating from C to B. The reactions are proposed to proceed via fourcentered transition states.

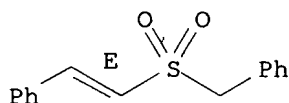
IT 32093-01-9P, Sulfone, benzyl styryl, trans- 32291-81-9P, Sulfone, benzyl styryl, cis- 852284-93-6P, Sulfoxide, benzyl styryl, cis-

RL: PREP (Preparation)
(preparation of)

RN 32093-01-9 CAPLUS

CN Benzene, [[[(1E)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

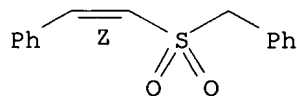
Double bond geometry as shown.



RN 32291-81-9 CAPLUS

CN Benzene, [[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

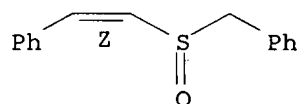
Double bond geometry as shown.



RN 852284-93-6 CAPLUS

CN Benzene, [[[(1Z)-2-phenylethenyl]sulfinyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 81 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1963:428074 CAPLUS

DOCUMENT NUMBER: 59:28074

ORIGINAL REFERENCE NO.: 59:5003g-h,5004a-b

TITLE: Intermolecular transfer of the 2,4,6-trinitrophenyl group bound to amino radicals

AUTHOR(S): Tanaka, Masaru; Tsuzukida, Yasuharu; Satake, Kazuo

CORPORATE SOURCE: Tokyo Metropolitan Univ.

SOURCE: Nippon Kagaku Zasshi (1962), (83), 895-901

CODEN: NPKZAZ; ISSN: 0369-5387

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB Transferability of the picryl (TNP) group in picramide (I) and its derivs. was studied especially with amino acids. Analyses of the starting material and the product were carried out by electronic absorption spectra or by paper chromatography followed by densitometry. TNP-amino acids (20 mol.) were treated with 20 ml. 15N NH₃; TNP-proline (II) was the most reactive. TNP-glycine and TNP-glycylpeptide also react rapidly but no I was detected. Other TNP-amino acids give almost quant. I, but the reaction velocity depends on the steric effect of the α -substituent. TNP-peptides react similarly. TNP group at the α -position of lysine is more rapidly transferred than that at ϵ -position. When there is a primary CH, CO₂H, or p-C₆H₄OH group β to the TNP-N group, the reaction is slow, but the products are normal. Effect of concentration of NH₃

on

the transfer was studied with TNP-glutamic acid (III). If the concentration is »IN, the reaction rate is not much affected, although more concentrated solution gives faster reaction. The reaction rate also depends on pH, the critical pH being 11.7. The reaction is complete within several min. at 100° and is faster when EtOH is present. Reaction between alkylamines and III produces only alkylpicramide (IV) and glutamic acid. Reaction between I and Me₂NH (V) gives no N,N-dimethylpicramide (VI). IV and NH₃ give I easily but V gives unidentified material. VI and NH₃ react smoothly but reaction between I and alkylamine is slow, especially when the alkyl chain is long. II and V do not react but proline and VI react to produce a little II. Thus it is concluded that, as TNP-donor, the ability is I »IV » VI and that, as acceptor, the ability is NH₃ » primary amine » secondary amine.

IT 32093-01-9P, Sulfone, benzyl styryl, trans- 32291-81-9P, Sulfone, benzyl styryl, cis- 852284-93-6P, Sulfoxide, benzyl styryl, cis-

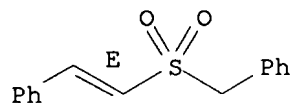
RL: PREP (Preparation)

(preparation of)

RN 32093-01-9 CAPLUS

CN Benzene, [[[(1E)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

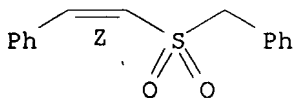
Double bond geometry as shown.



RN 32291-81-9 CAPLUS

CN Benzene, [[[(1Z)-2-phenylethenyl]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

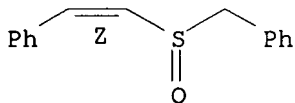
Double bond geometry as shown.



RN 852284-93-6 CAPLUS

CN Benzene, [[[(1Z)-2-phenylethenyl]sulfinyl]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L3 ANSWER 82 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1961:93498 CAPLUS

DOCUMENT NUMBER: 55:93498

ORIGINAL REFERENCE NO.: 55:17635a-g

TITLE: Synthesis of amino sulfides and amino sulfones

AUTHOR(S): Tsung, Ju-Shih; Chi, Ju-Yun

CORPORATE SOURCE: Acad. Sinica, Shanghai

SOURCE: Huaxue Xuebao (1960), 26, 31-8

CODEN: HHHPA4; ISSN: 0567-7351

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

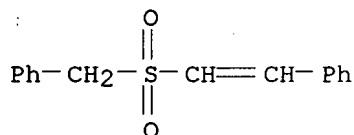
AB β -Amino sulfides (having the ring-cleaved structure of phenothiazine and the nucleus of promethazine and chlorpromazine) and their oxidation products, β -amino sulfones, were prepared for pharmacol. exam. PhCH₂SCH₂CH₂NMe₂ was prepared (46% yield, b_{0.1} 93°; MeI salt m. 155-7°) by heating 18.7 g. PhCH₂SCH₂CH₂Cl (I), 40.5 g. 33% alc. solution of Me₂NH, and 10 ml. EtOH in a sealed tube at 100° 4 hrs. Other PhCH₂SCH₂CH₂R' were obtained by refluxing I, R'H, and alc. and isolated as RX quaternary salts (R', RX, % yield, m.p. given): Et₂N, MeI, -, 87-9° (C₆H₆-EtOH); piperidino, HCl, 78, 163-5° (AcOEt-EtOH); piperidino, MeI, -, 102-4° (EtOH); morpholino, HCl, 75, 195-7° (decomposition) (EtOH); morpholino, MeI, -, 157-8° (decomposition). Adding 91.2 g. 30% H₂O₂ gradually to 37.2 g. I in 186 ml. AcOH at 60° and keeping at room temperature 3 days gave PhCH₂SO₂CH₂CH₂Cl (II), 97% yield, m. 96-7°. Similarly, PhSO₂CH₂CH₂Br (III) was obtained from PhSCH₂CH₂Br in 73% yield, m. 75.5-7.0°. Oxidation of PhCH₂SCH₂CH₂NH₂ with H₂O₂ in AcOH at room temperature 2 days and isolation of the product with HCl-Et₂O gave 29% PhCH₂SO₂CH₂CH₂NH₂·HCl, m. 236-8°. Other PhCH₂SO₂CH₂R' (IV) were prepared by addition of R'H to II in alc. solution and isolated as IV·RX (R', RX, % yield, m.p. given): NMe₂, HCl, 95, 184-6°; NMe₂, MeI, -, 206-8° (H₂O-EtOH) (free base m. 68-9°); NEt₂, MeI, -, 147-8°; N(CH₂CH₂OH)₂, HCl, 48, 102-3° (EtOH-AcOH); NBu₂, HCl, quant., 116-17° (AcOEt); piperidino, HCl, 92, 200-2° (EtOH) (decomposition); piperidino, MeI, -, 190-1° (alc.-H₂O) (free base m. 72-3°); morpholino, HCl, 92, 217-19° (90% EtOH); morpholino, MeI, -, 202-3° (free base m. 74-5°). Likewise, 5 g. III shaken with morpholine in alc. solution 3 hrs. and isolated with HCl-Et₂O gave 87% phenyl β -morpholinoethyl sulfone HCl salt, m. 226-8° (H₂O-EtOH). Oxidation of 31 g. Ph₂CHSCH₂CO₂H with H₂O₂ in AcOH at room temperature 3 days yielded 83% Ph₂CHSO₂CH₂CO₂H, m. 141-2° (C₆H₆), which (17.4 g.) underwent a Mannich reaction with 4.6 g. AcONH₄, 6.4 g. PhCHO in 12 ml. AcOH at refluxing temperature (15 min.) to give 18% Et₂O-insol. Ph₂CHSO₂CH:CHPh, m. 179.5-80.5° (EtOH), H₂O-insol. Ph₂CHSO₂Me, m. 128°, and 15% H₂O-soluble Ph₂CHSO₂CH₂CHPhNH₂·HCl, m. 226-7° [the free base m.

136-7° (petr. ether-AcOEt)]. PhCH₂Cl (253 g.) and 152 g. thiourea in 1 l. EtOH refluxed 16 hrs. and an addnl. 2 hrs. with aqueous NaOH (120 g. in 1.2 l.) gave 79% PhCH₂SH, b₂₀ 91°, which (44.7 g.) was converted to 89% PhCH₂SCH₂CO₂H, m. 59-60° (H₂O), by refluxing 2.5 hrs. with 34 g. ClCH₂CO₂H in aqueous NaOH and to 97% PhCH₂SO₂CH₂CO₂H (V), m. 137-8° (C₆H₆-Me₂CO), if followed by oxidation with H₂O₂ in the usual way. Similar Mannich reaction of V was carried out as above to give 26% PhCH₂SO₂CH:CHPh, m. 143-4°, and 15% PhCH₂SO₂CH₂CHPhNH₂.HCl, m. 207-9° (free base m. 97-8°). Adding 8.5 g. piperidine and 8.5 g. 36% HCHO (in order) to 20 g. cold Ph₂CHSH and keeping 3 hrs. at 80° gave 81% Ph₂CHSCH₂NC₅H₁₀.HCl, m. 195-7°; MeI salt m. 178-9° (decomposition). Similarly, 81% diphenylmethyl morpholinomethyl sulfide was prepared as HCl salt (decomposed at 195°).

IT 92549-14-9P, Sulfone, benzyl styryl 102477-98-5P,
Sulfone, diphenylmethyl styryl
RL: PREP (Preparation)
(preparation of)

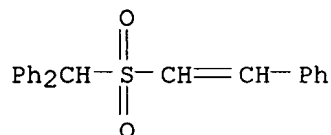
RN 92549-14-9 CAPLUS

CN Sulfone, benzyl styryl (6CI, 7CI) (CA INDEX NAME)



RN 102477-98-5 CAPLUS

CN Sulfone, diphenylmethyl styryl (6CI) (CA INDEX NAME)



L3 ANSWER 83 OF 83 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1956:40367 CAPLUS

DOCUMENT NUMBER: 50:40367

ORIGINAL REFERENCE NO.: 50:7786c-f

TITLE: Synthesis of β-amino sulfones and α,β-unsatd. sulfones

AUTHOR(S): Balasubramanian, M.; Baliah, V.; Rangarajan, T.

CORPORATE SOURCE: Annamalai Univ., Annamalainagar, India

SOURCE: J. Chem. Sac. (1955) 3296-8

DOCUMENT TYPE: Journal

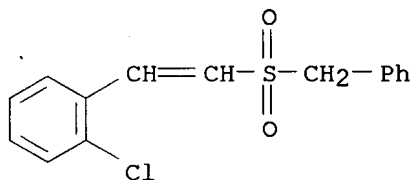
LANGUAGE: Unavailable

OTHER SOURCE(S): CASREACT 50:40367

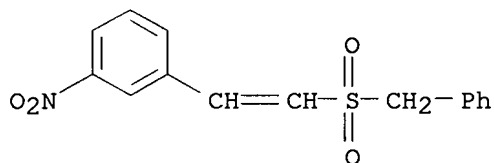
AB cf. C.A. 49, 8167d. Condensation of alkylsulfonylacetic acids with aldehydes and NH₃ gave the following β-amino sulfones, RSO₂CH₂CHR'NH₂ (R, R', m.p. of free base, and m.p. of hydrochloride given): Me, Ph, -, -; Me, 3,4-(CH₂O₃)C₆H₃ (I), 146-7°, 248-50° (decomposition); Me, o-ClC₆H₄ (II), 77-9°, 195-7°; Me, m-O₂NC₆H₄ (III), -, 202-3°; Et, Ph, -, -; Et, I, -, 206-8° (decomposition); Et, II, 72-3°, 209-10°; Et, o-O₂NC₆H₄, -, 220-2° (decomposition); Et, III, 101-2°, 146-8°; Et, o-HOC₆H₄, -, 211-13° (decomposition); Pr, II, 44-5°, 208-10°; Pr, III, -, 144-6°; Bu, I, -, 164-6°; Bu, II, -, 192-4°; Bu, III, -, 182-4°; PhCH₂ (IV), Ph, 88-9°, 223-4°; IV, I, -,

-; IV, II, 100-2°, 226-8°; IV, p-ClC₆H₄, -, 228-30°; IV, III, -, 277-9° (decomposition); IV, o-HOC₆H₄, 153-4°, 225-7° (decomposition). The following unsatd. sulfones RSO₂CH:CHR' were also prepared (R, R', and m.p. given): Me, I, 129-30°; Me, II, 82-3°; Me, III, 130-2°; Et, Ph, 66-7°; Et, I, 80-1°; Et, o-O₂NC₆H₄, 89-90°; Et, III, 124-5°; Pr, II, 76-7°; IV, Ph, 144-5°; IV, I, 150-1°; IV, II, 111-12°; IV, p-ClC₆H₄, 163-5°; IV, III, 184-6°. The condensation of alkylsulfonylacetic acids with o-HOC₆H₄CHO yielded the following 3-alkylsulfonylcoumarins (alkyl group and m.p. given): Me, 184-5°; Et, 163-4°; Pr, 140-1°; Bu, 122-3°; IV, 161-2°. A mixture of MeSO₂CH₂CO₂H, PhCHO, and PhCH₂NH₂ in HOAc refluxed for 10 min. and cooled yielded 2-benzylamino-2-phenethyl Me sulfone hydrochloride, m. 179-81°. Benzyl 2-benzylamino-2-phenylethyl sulfone, m. 108-9°; hydrochloride, m. 187-9° was similarly prepared

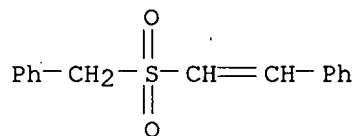
IT 90616-41-4P, Sulfone, benzyl o-chlorostyryl 90616-49-2P, Sulfone, benzyl m-nitrostyryl 92549-14-9P, Sulfone, benzyl styryl 858467-54-6P, Styrene, β-(benzylsulfonyl)-3,4-methylenedioxy-
 RL: PREP (Preparation)
 (preparation of)
 RN 90616-41-4 CAPLUS
 CN Benzene, 1-chloro-2-[2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)



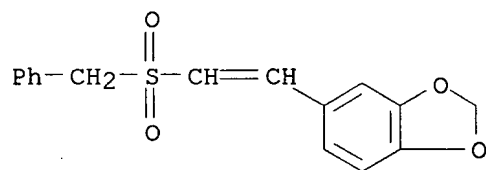
RN 90616-49-2 CAPLUS
 CN Benzene, 1-nitro-3-[2-[(phenylmethyl)sulfonyl]ethenyl]- (9CI) (CA INDEX NAME)



RN 92549-14-9 CAPLUS
 CN Sulfone, benzyl styryl (6CI, 7CI) (CA INDEX NAME)



RN 858467-54-6 CAPLUS
 CN Styrene, β-(benzylsulfonyl)-3,4-methylenedioxy- (5CI) (CA INDEX NAME)



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---Logging off of STN---

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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

439.76

612.07

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-64.74

-64.74

STN INTERNATIONAL LOGOFF AT 15:51:00 ON 10 APR 2007